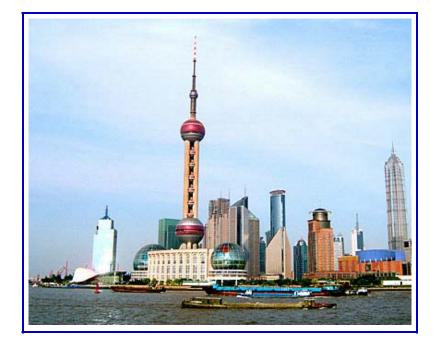
China's Soaring Financial, Industrial and Technological Power

By Charles W. McMillion MBG Information Services Washington, DC



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China's Soaring Financial, Industrial and Technological Power

By Charles W. McMillion Executive Summary

Writing about China's soaring economy today is like trying to drink from a fire hydrant. As I am finishing this report today, September 28th, China announced that its state-owned coal producer, Shenhua Energy, just raised 66.58 billion yuan (\$8.9 billion) from its Shanghai initial public offering, the largest domestic offering yet, after receiving a world record \$356 billion in subscription offers. China's Shanghai and Shenzhen exchanges thus raised over \$20 billion in IPOs in September alone. Also reported today is that China's giant, closely state-aligned telecom equipment manufacturer Huawei and a US private equity group are acquiring the giant US 3Com just in time for next year's rush to the pre-Olympics build-out of third generation mobile capacity for China's own, proprietary TD-SCDMA telecom standard. Tomorrow is another day.

But in recent years, as the US and much of the rest of the world focused on wars, fears of terrorism, and various emotional social issues, China transformed itself into an economic powerhouse. While the US and the other G-7 countries emphasized privatization and deregulation, China restructured and consolidated its state-owned enterprises into some of the most admired and advanced companies in the world and developed comprehensive and remarkably aggressive Five-Year industrial policy plans to continue its stunning progress. As a measure of its size and modernization efforts, research and development in China has displaced that in Japan, and is on a rapid pace that could surpass that in the US within five years. Particularly since 2003, China's economic and trade performance has been unprecedented.

Widely considered to be a financial basket case just six years ago, China has retained near total state control over its financial system while reducing its banks' bad debt ratios down to international standards, becoming the world's leading market for IPOs and second leading venture capital market. China's leading bank recently surpassed Citigroup as the most highly capitalized bank in the world, its leading insurance company is among the world leaders, and China has many other financial institutions that are not far behind. With soaring Current Account surpluses that exceeded 9% of China's GDP last year -- and may reach 14% in 2007 -- China's war chest of foreign currency rocketed from \$212 billion in 2001 to a record-shattering \$1.4 Trillion now, rising (net) by \$10 billion per week thus far in 2007 and with no end in sight.

This remarkably rapid accumulation of wealth has occurred alongside accelerating double-digit GDP growth with soaring advances in each component of GDP: consumer spending, business investment, net exports and massive increases in government spending of its flood of new revenues on modern infrastructure, military and other urban and rural programs. China has become the third largest auto producer and will likely be the largest by 2009. TNCs report soaring modern production, sales in China and exports in virtually every industry. China's productivity growth has been identifies as the fastest in the world helping drive prices *down* in most manufacturing industries and helping keep inflation in China rising less than in the US despite growth that is many times faster. China's prices did spike in mid-2007 due to higher food prices but the core producer price index was up only 0.9% yr/yr to June. Profits are booming for state-owned financial and commercial enterprises, their TNC minority partners and others.

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Unfortunately, China's remarkable gains are coming largely from production and capital displaced from elsewhere, most particularly from the US, and it is now urgently threatening even the very TNCs that are profiting from production in China. The US will accumulate -\$1.3 Trillion in Current Account deficits with China from 2001 to 2007 -- virtually the entire amount of China's foreign currency war chest. US annual deficit in goods and services trade with China soared from -\$81 billion in 2001 to likely reach -\$275 billion in 2007. But US Current Account losses are even worse than for goods and services alone because interest bills are now coming due for past borrowing. In 2001, the US already paid -\$6 billion more to China to service debts and other investments than all US TNCs and other US interests earned in China. In 2006 this net payment soared to -\$27 billion and it appears to be soaring to over -\$42 billion in 2007.

As China has modernized and built its own strong and dynamic clusters of industry supply chains, the composition of China's trade -- recently characterized as "process trade" -- changed dramatically. Globally, although not with the US, low quality Textiles and Apparel accounted for more than all of China's manufacturing trade surplus as late as 2003. But as China's global manufacturing surplus rocketed from \$47 billion in 2003 to perhaps over \$400 billion in 2007, the surplus shifted and is now concentrated in machinery and electronics.

In the computer industry, for example, the ratio of China's computers/parts exports to imports surged from 2.4-to-1 in 2000 to 4.7-to-1 in 2006 and 2007. That is, for each \$1 that China pays to import computers and parts, it earns \$4.70 in exports -- even with its own domestic computer market growing at over 20% per year. China now dominates global information technology production -- parts as well as assembly -- with a 2007 global trade surplus of about \$70 billion for computers and about \$60 billion for mobile phones. Because of skyrocketing deficits for information technologies with China, the US has now suffered a combined global deficit in advanced technology goods **and** services trade since 2004. The technology deficit with China is nine times worse than with Japan.

But China is also rapidly developing modern supply chain clusters in other key industries such as aerospace and automotive and developing their own global brands and technical standards to allow their large state-owned firms to prosper independently from their current, TNC partners. For a generation, TNCs in industries from financial services to aerospace, automotive, petrochemicals and others have taken minority stakes in large, Chinese state-owned enterprises confident that their vastly superior expertise would dominate the venture while they gained local experience and political approval for independent ventures. Most report they are now earning solid profits on their Chinese operations but virtually none has a successful independent venture and all are faced with deep-pocketed, quite sophisticated, state-owned partners that are now rapidly developing their own, competing independent brands.

This is the most significant finding in the report. The interests of TNCs and their "home" country have long diverged. The US has for two decades lost high-wage jobs and been forced to borrow staggering sums of money to sustain its standard of living because of production displaced by large, sustained trade deficits. But many TNCs prospered by playing one country off another. Now China has created a global market environment in which TNCs believe they cannot afford NOT to produce and sell in China. This gives China's authorities the ability to play the world's most powerful TNCs off one-another in demands for state-of-the art product and process technologies, R&D, executive training and more.

There are some who deny even this, but it is now commonplace to suggest that China's economic prowess could threaten the US in 20 years. Yet the experience of the past five years makes it clear that China is a huge threat now and could be dominant in five more years.

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China's Soaring Financial, Industrial and Technological Power¹

Charles W. McMillion

Accelerating Financial and Commercial Leverage:

In mid-2007 China's state-controlled Industrial and Commercial Bank surpassed Citigroup to become the world's most highly capitalized bank. ICBC's profits soared 61%, to \$5.4 billion, in the first half of 2007. This was only slightly faster than the 56% average of China's four major state-controlled banks with combined net profits of \$19.4 billion for the first six months of 2007.² One year ago ICBC raised a world record \$19 billion in its initial public offering of equity shares just after the Bank of China raised \$11.2 billion in its first IPO in Hong Kong (the 4th largest on record) and drew an astonishing \$84.6 billion in bids for \$2.5 billion in Yuan IPO shares on the Shanghai market. These and 138 other IPOs pushed "greater" China past the US for the most funds raised in 2006 and, with a long backlog of offerings, China with Hong Kong may top the IPO market in 2007 and for years to come.³

China Life Insurance Company, the country's dominant, state-controlled life insurer with 47% market share -- and rising -- reported net profits surged 160% to \$3.1 billion in the first half of this year. Listed on the New York and Hong Kong exchanges since late 2003, China Life's third successful listing in Shanghai early this year had already sent its capitalization to near that of world leaders American International Group and Burkshire Hathaway. China's entire insurance industry saw profits rise to \$18.1 billion 2007-H1 with industry assets growing by 20% to \$334 billion. As with the banking sector, despite confident predictions six years ago that large, sophisticated insurance trans-nationals would quickly dominate the state-controlled China market, foreign property and casualty insurers have only 1.2% of the market -- and falling.⁴

But venture capitalists are flooding into China which is now the world's second largest VC market. A recent study of China's market found "investors are not jumping at unknown risks in an emerging market. Of the 55 deals in information services, 50 were in the advanced stages of development, according to the report. More than 40 companies had developed full product offerings, and eight companies were already turning a profit."⁵

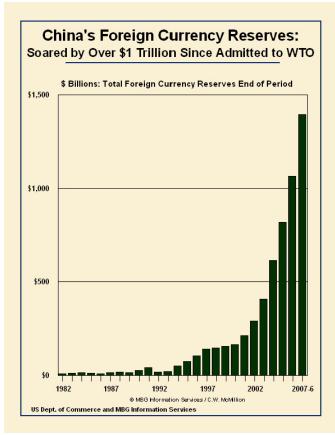
¹ This report is an update to my report "China's Very Rapid Economic, Industrial and Technological Emergence," to the US-China Security Review Commission in 2002 and is available on the Commission's web site. This report begins where the earlier report left off.

² "ICBC tops Citigroup as world's biggest," *Reuters*, July 23, 2007. It must be noted that Citigroup had annual global earnings of \$90 billion compared with ICBC's \$24 billion. See also Jason Leon, "ICBC, Bank of China Report Surging First-Half Profits," *The Wall Street Journal*, August 23, 2007 and other financial market reports.

³ "Bank of China draws \$84.6bn of bids in IPO," *Gulf Times*, July 1, 2006. 140 IPOs in China raised a record \$62 billion in 2006 compared with \$48 billion raised in the US. China counts transactions undertaken in Hong Kong, Shanghai, Shenzhen and Taiwan. "China raises \$62 bln in IPO funds to beat US," *Shanghai Daily*, March 29, 2007.

⁴ James T. Arredy, "China Life Has Strong Shanghai Debut," *The Wall Street Journal*, 1-9-2007. Jamil Anderline, "Insurance invasion that never was," *The Financial Times*, 8-14-2007 and Insurers report 160 pct rise in first-half investment earnings," *China Daily*, 7-25-2007.

⁵ Sabine Muscat, "Venture funding pours into China during 2nd quarter," San Francisco Chroni-



As part of what Ben Bernanke -- now Chairman of the Federal Reserve -- calls a "global savings glut," China's foreign currency "war chest" reserves rocketed to a world record \$1.07 Trillion at the end of 2006 and soared by more than \$10 billion per week, reaching \$1.33 Trillion by midyear 2007.⁶ In a remarkable reversal of fortunes, the Bank of China has now established a sovereign fund, the China Investment Corporation (ICI,) to make substantial, strategic loans and investments abroad. Elaborating on these changes, *China Daily's* senior editor notes: "... capital no longer poses a bottleneck for (China's) economic growth. The key issue at present is how to shift from the effort for attraction of investment to stress on the selection of investment, the investment quality, the optimization of investment mix and the solicitation of investment mode..."⁷

Although ignorance and denial of stunning successes in China remain widespread within some prominent, ideological circles, the choices of those responsible

for actual commercial decisions reveal a sharply different reality. Indeed, China's "scientific" financial and industrial policies are so successful, and US policy either absent or missteps so severe, that much of today's reality was unimaginable just six years ago. As Senator Hillary Clinton recently lamented in commenting on record US current account deficits and the need for massive, constant borrowing from China; "...how do you get tough on your banker?"⁸

China's success quickly built on itself, giving China's authorities sharply increased abilities to demand the transfer and local development of key global technologies. This power is now an urgent and severe threat to US living standards, to the world economy and even to many of the trans-national firms that currently profit from low cost production and sales in China. Rather than TNCs playing individual countries off one another as is common elsewhere, China's leaders

cle, August 15, 2007.

⁶ Ben S. Bernanke, "The Global Saving Glut and the US Current Account Deficit," the Sandridge Lecture, Virginia Association of Economics, Richmond, Virginia, 3-10-2005; available on the Federal Reserve's Website. Data on China's currency reserves and much of the other data not directly referenced in this report are from the *International Financial Statistics* of the International Monetary Fund, various issues. China's bank savings doubled between 2001-2005. ⁷ Gong Wen, "China should strive to be 'global office of outsourcing," *China Daily*, 1-25-2007. ⁸ Transcript, Sen. Clinton Addresses Democrats, *The Washington Post*, February 5, 2007. Indeed, with Congress considering trade sanctions, China recently sent an unmistakable reminder that China has the financial muscle to inflict major economic damage on the US if the status quo is not continued. "'No Plans' To Sell Off Greenback," *China Daily*, August 13, 2007. now skillfully and patiently play the world's leading TNCs against one another as China builds its financial power and modern capacity to produce innovative goods and services increasingly now with its own global firms and brands.

Although generally outside the scope of this report on China's relative strengths, it must also be noted that much of today's US reality was unimaginable six years ago. Negotiations to admit China to membership in the World Trade Organization were concluded on September 17, 2001, less than one week after the September 11th attacks on the World Trade Center and the Pentagon diverted US policy attention away from the vital financial and commercial issues discussed in this report.

Other key events at this time: On July 4, 2001 the dismantled remains of a US Navy EP-3 surveillance was delivered to Hickman Air Force Base in Hawaii after being downed and held for four months by China's military in a tense and very public face-off on Hainan Island. The US spy plane's crew was embarrassingly held and interrogated by China's military for 11 days and the plane's advanced electronics were removed.

Days later, on July 13, 2001, the International Olympic Committee awarded the 2008 Olympic Games to Beijing which promised to use the event as a global coming-out party and high tech showcase.

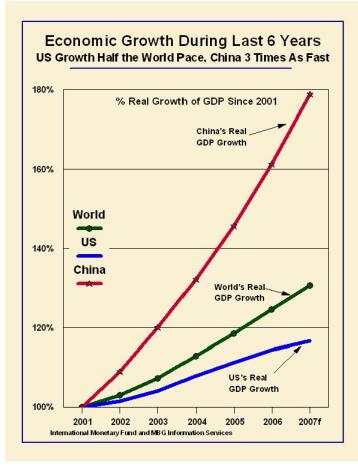
Six years ago there were dire warnings in prominent quarters -- including within China -- that China's state-controlled banking system was insolvent, its financial system at grave risk. A Rand Corporation study contained especially dire warnings of imminent collapse. Similarly, there were prominent forecasts, including from the then-Chairman of the Federal Reserve, that the US was on the verge of paying off its federal government debt so quickly that major tax cuts were urgently needed.⁹

Today, only the Agricultural Bank of China, which reported a 65% rise in profits in the first half of 2007, to \$5.6 billion, continues to face significant restructuring problems. China's financial system has now worked off or sold to major global financial institutions most of the non performing loans that threatening its financial system just a few years ago. Indeed, today it is China's soaring equity prices and profits of listed firms, and a savings glut that raise concern along with exposure to the questionable quality of the highly leveraged US debt markets.¹⁰

China Development Bank is one of China's three policy banks primarily involved in massive funding of infrastructure projects and basic industries with an emphasis on politically sensitive western regions and old industrial areas of the northeast. CDB reported that 32.6% of its loans were non-performing in 1998 but with a portfolio that has quadrupled in value to \$280 billion, CDB now has kept its NPL ratio below 2% for 57 consecutive months and recently reported NPL of just 0.68%. China's 17 leading commercial banks now report a combined NPL

¹⁰Richard McGregor, "Bad debt makes ABC a Chinese puzzle," *Financial Times*, June 20, 2007. David Barboza, "China to Revamp 4th Bank in Preparation for Offering" *New York Times*, January 25, 2007. China's media have reported extensively on the problems and the cleanup. *Bloomberg News*, "Bank of China Reports Heavy Exposure to Subprime Crisis," 8-24, 2007.

⁹ Charles Wolf; Jr.; K. C. Yeh; Benjamin Zycher; Nicholas Eberstadt; Sung-Ho Lee, <u>Fault Lines</u> <u>in China's Economic Terrain</u> particularly Chapter 7, (Santa Monica, CA; Rand Corporation, 2003.) See also Keith Bradsher, "New Challenge for China's Shaky Banks," *The New York Times*, September 17, 2007. Alan Greenspan, "Testimony of Chairman Alan Greenspan: Outlook for the federal budget and implications for fiscal policy Before the Committee on the Budget, US Senate," January 25, 2001



of 7.2% -- well within international standards.¹¹ Restructuring of China's financial system is widely seen as hugely successful; bank profits and share prices are soaring.¹²

During this period the US Federal debt soared from \$5.1 Trillion to \$9.0 Trillion and household debts skyrocketed from \$7.4 Trillion to \$13.5 Trillion. For the first time since the early 1930s, current savings in the US fell below 1% of disposable income. The Comptroller General of the United States now tours the country warning that the US is on the path of fiscal destruction followed by Roman empire with debts set to exceed \$46 Trillion within 25 years.

Clearly, over the past six years China's financial fortunes have improved enormously while US conditions are now of worldwide concern.

One key reason for China's remarkable financial success is its economic growth. The Rand Corporation and others expected China's economic growth to slow

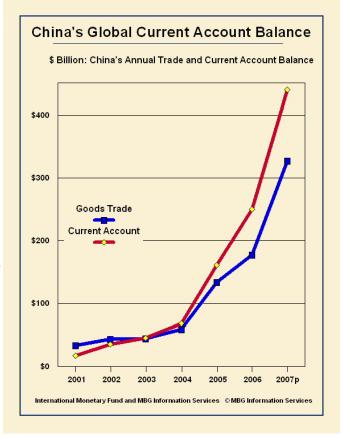
after 2000 to an annual rate of 5% with major risks of an even more abrupt slowdown. Even now, MIT's Lester Thurow claims that China's authorities report 70% of economic activity is in rural areas which he says is stagnant so overall GDP growth is merely half the reported rate.¹³

In fact, China's authorities report only 18% of economic activity occurs in the Western provinces and that their GDP doubled from 2000 to 2005 with massive infrastructure spending and industry growth.¹⁴ Indeed, there is overwhelming evidence to support China's reported GDP soaring by 79% since 2001, accelerated each year, to 11.1% in 2006 and 11.5% yr/yr to 2007Q2. The US, on the other hand, despite enormous fiscal stimulus from tax cuts and spending increases, grew less than 17% over the period and only 1.9% yr/yr to 2007Q2.

¹¹"NPL ratio of China's major commercial banks at 7.02 % in Q1," *China Daily*, May 17, 2007.
"CDB's non-performing loan ratio drops to 0.68 pct," *China Daily*, July 23, 2007.
¹²See, for example, the speech by Howard Davies, director of the London School of Economics and former deputy governor of the Bank of England, "China's Financial Reform Successful," *China Daily*, July 6, 2007. "China's 5 largest banks," *The Wall Street Journal*, August 2, 2007.
¹³ Anil Bamezai, Charles Wolf Jr., K. C. Yeh, Benjamin Zycher, <u>Asian Economic Trends and Their Security Implications</u>, (Santa Monica, Rand; 2000) pp. 34-42. Current forecasts by Rand and others still focus on China's real and potential problems. See "China Downside Scenarios," Office of Net Assessment, US DOD, July-August, 2006. Lester Thurow, "A Chinese Century? Maybe It's the Next One," *The New York Times*, August 19, 2007. Others have claimed China understate GDP. See Richard McGregor, "China to restate GDP," *Financial Times*, 12-13-2005.
¹⁴"One trillion yuan spent on western infrastructure," China Daily, September 6, 2006.

Rand Corporation forecasts have been especially dismissive of China's prospects for sustained productivity growth. Yet the Conference Board reports China led the world again in 2006 with 9.5% productivity growth as US productivity grew by only 1.5%. Indeed, China's productivity has soared by 9.0% per year since 2000, more than triple the annual 2.8% US rate.¹⁵ Strong productivity growth let China enjoy doubledigit GDP growth while keeping consumer price increases to just 1.5% in 2006 and just 1.3% over the past six years. This compares with US consumer price increases of 3.2% in 2006 and an average of 2.7% since 2001. That is, China's stunning productivity growth allows for GDP growth that is three times the US rate with half the inflation. Even as food prices surged in 2007, core consumer prices were up just 0.9% yr/yr.

China's rapid economic growth, strong productivity growth and low inflation other than for pork and other foods in early



2007, is joined by a global current account surplus that rocketed from \$17.4 billion (1.3% of GDP) in 2001 to \$249.7 billion (9.4% of GDP) in 2006. China's 2007 current account surplus is on track to reach over \$400 billion, 14% of GDP, with its soaring income on foreign investments and transfers now adding to surging surpluses for traded goods and services.

During this period, with GDP growth barely one-half of the world growth rate, US current account deficits worsened rapidly, from -\$384.7 billion (-3.8% of GDP) in 2001 to -\$811.5 billion (-6.2% of GDP) in 2006. With US growth slowing further, and a weakening currency, it appears that the 2007 current account deficit may improve slightly. Yet, over the six years ending in 2007, China will accumulate global current account surpluses of about \$1 Trillion while the US will accumulate global deficits of almost -\$4 Trillion.

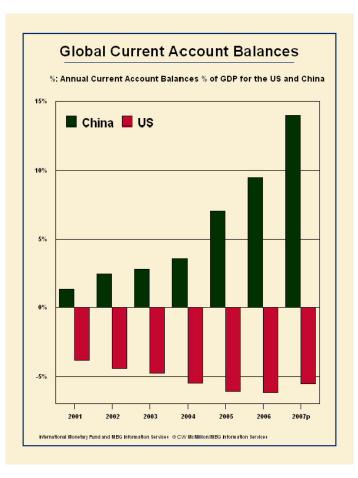
Stanford University's Nobel laureate Michael Spence wrote -- and the Wall Street Journal published -- a column in January 2007 claiming that China's current account deficit "...is well under 5% of GDP, smaller in percentage terms than the US trade deficit."¹⁶ This has not been the case since 2004.

For a generation, China's soaring ability to attract TNC investment has been a powerful contrast with Japan's sudden rise and fall but also a strong argument against forecasts of China's imminent collapse. Actual TNC investment in China since they were first welcome in 1978 now

¹⁵ "US Labor Productivity Growth in 2006 was the Lowest in More than a Decade," Conference Board Press Release of January 23, 2007 and their previous annual productivity reports. Also "China's economic growth potential underestimated," *Chinaview.com*, February 9, 2007.
¹⁶ Michael Spence, "We are all in it together," *The Wall Street Journal*, January 5, 2007. The *WSJ* was informed of this error but refused to print a correction, a letter to the editor or a responding column to set the record straight.

total over \$750 billion and include over 610,000 foreign-funded enterprises.¹⁷ Indeed, excluding merger and acquisition activities that merely change ownership of existing global assets within developed countries, China has been the leading recipient of foreign direct investment since 1999. For example, the US received \$161.5 billion in FDI in 2006 but 92% was for M&A with only \$13.7 billion to establish new businesses while China received \$69.5 billion in FDI with at least \$40 billion going to the establishment of new enterprises. China added 41,485 foreign-invested firms in 2006 -- 114 each day.¹⁸

This flood of FDI into China has exposed wide differences between interests of TNCs and their "home" country. TNCs incorporated in Delaware, for example, move production, jobs, technologies, other expertise and tax revenues to China without regard to wider US interests. As the unanimous and bipartisan "Cox Commission" of the



US House documented in 1998, even regarding basic national security issues with China, "Corporations may often face inherent conflicts of interest in complying with US export laws."¹⁹ These diverging interests can be far stronger in areas where the law is silent.

China has developed and increased its appeal for the world's leading global firms for a wide range of reasons. Certainly China offers an enormous supply of disciplined, very low-wage labor that has helped major TNCs create -- and demand -- "the China price" for traded goods worldwide. One recent study for the US Department of Labor finds comparable compensation costs for manufacturing sector workers in China's urban areas were just 3% of US costs (and 25% of Mexico's costs) in 2002. Wages in China's non-urban areas are far lower still.²⁰

Wages in urban regions of China have risen rapidly in recent years, accompanied by soaring growth in productivity that appears to have prevented any significant narrowing in the

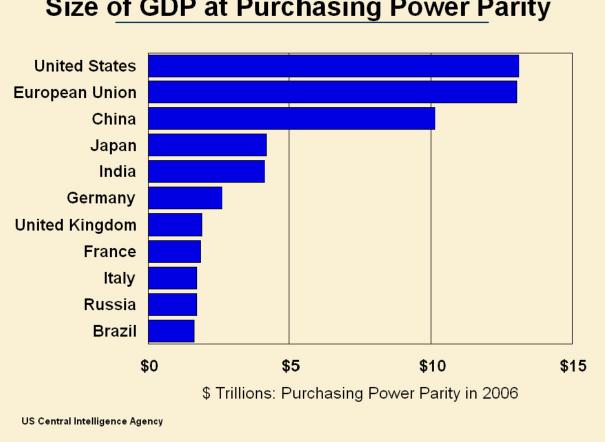
¹⁷ "Cumulative FDI in China exceeds \$750 bln," China Daily, August 28, 2007.

¹⁸ FDI data for the US are in "Foreign Direct Investment in the US," *Survey of Current Business* of the US Department of Commerce, June 2007. For China's FDI data and increasing attention to M&A policy see "Govt to guide flow of capital," *China Daily*, February 27, 2007.

¹⁹ <u>US House of Representatives Report of the Select Committee on US National Security and Military/Commercial Concerns With the People's Republic of China</u>, (Washington, DC: USGPO, January 1999. Overview section, page XXVIII. The Chairman of the Select Committee, Representative Christopher Cox, is now Chairman of the Securities and Exchange Commission.
²⁰ Judith Banister, "Manufacturing Employment and Compensation in China," report to the US Department of Labor, BLS, November 2005. p. 83.

labor cost advantage. Despite constant claims to the contrary in US media, unemployment and underemployment remains one of the key challenges facing China today particularly among the university educated and those displaced by farm mechanization.²¹ Specific skills shortages are always a problem in a dynamic economy but here, too, China is tackling their skills problems in massive, pragmatic education and training programs. Particularly impressive is China's large, well-financed program to recruit talent worldwide.²²

But firms are also drawn to China by the size and uniquely rapid growth of the market and the scale economies this provides them and their competitors. Boeing and Airbus, for example, forecast China will need 3400 new commercial jets over the next 20 years at a cost of more than \$340 billion.²³ China's reported GDP is only 20% of the US' size at today's exchange



Size of GDP at Purchasing Power Parity

²¹ Tian Chengping, Minister of Labor and Social Security, recently noted that with 24 million new job seekers in urban areas during 2007, the hope is to provide 12 million jobs -- including the replacement of those that die or retire. "China still faces tough employment task," China Daily, March 13, 2007.

²² Ministry of Personnel, "Flexible measures to attract overseas talented people," *China Daily*, January 7, 2007. To improve quality, the rapid growth of Chinese universities from 1999-2006 has slowed with a new emphasis on partnering with leading universities in the US and elsewhere. Per capita annual incomes soared by 9% and 5%, respectively, from 2001 to 2005.

²³ "China needs 3,400 planes over 20 years Boeing says" China Daily, September 18, 2007.

rates and ranks behind Japan and Germany as only the world's fourth largest economy. But as the Central Intelligence Agency notes, by actual units of output -- purchasing power parity -- China's GDP is already 2 ½ times the size of Japan, 78% of the US economy and growing much faster than any other major economy.²⁴

China's semiconductor market rocketed from virtual insignificance a decade ago to become the world's largest in 2005 and its growth continues to dwarf that in the US and elsewhere in the world.²⁵ China is, by far, the world's largest producer of telephones with near 900 million telephone lines including over 600 million mobile phone customers, adding more than 45 million new lines per year, particularly now in the Western region²⁶. China's auto production and sales have quadrupled in the past six years, are soaring by 22% again in 2007 and is now the world's third largest producer and second largest vehicle market behind only the stagnant US. Executives at General Motors note that China is already its second largest market and its fastest growing.²⁷ China quickly has become the world's largest producer and consumer of cement, many metals, coal, industrial chemicals and much more driven partly by unprecedented, large infrastructure projects for roads, rail, air and see ports, water transport and treatment, the rapid build-out of power and telecommunications grids and more.

Jeff Immelt, CEO of General Electric, told a group including current UK Prime Minister Gordon Brown, "We are basically an infrastructure company, so we have massive opportunities in energy, to sell aircraft engines and health care products, and in financial services and the like. (China and India) will literally spend hundreds of billions of dollars on products that we sell over the next few years."²⁸

Six years ago few TNCs reported profits from operations in China. However, according to China's Commerce Ministry and the US-China Business Council, because of China's remarkably strong growth, Chinese businesses with US investment totaled \$80 billion in 2006 sales with combined profits of \$10 billion. 73% of such firms reported profits in 2006 with 60% indicating an increase in profits while 37% claimed profits in China are higher than their global average.²⁹

That is, as commercial and financial TNC executives often explain, NOT to be in China is NOT an option. This fact of commercial and financial life has become increasingly compelling over the past six years, adding to economic leverage available to China's leaders in negotiations with all TNCs.

Unlike in Japan, China's policies have drawn virtually all the world's leading technology firms to collaborate on R&D as well as production in China, opening pipelines into the global technological, financial, training, design, marketing and managerial capabilities of the world's leading enterprises. China's stunning progress and new leverage now threatens the core interests of these TNCs, if not necessarily the interests of executives who may find their next employment with a new Chinese competitor.³⁰

²⁴ Central Intelligence Agency, <u>The World Factbook Online</u>. Last updated June 2007.

²⁵ Xianmin Xi, "IC China: 2007," <u>International Market Insight Report</u> of the US Foreign Commercial Service, Beijing, August 20, 2007.

²⁶ "China's mobile subscribers exceed 500 mln," *China Daily*, July 24, 2007.

²⁷ "China's car exports rise in 1st quarter of 2007," *China Daily*, May 10, 2007. "GM sales in China to hit one million vehicles" August 9, 2007.

²⁸ "GE sees China, India sales in hundreds of \$blns," *Reuters*, February 4, 2005.

²⁹ "US companies obtain good return from investment in China," *China Daily*, August 24, 2007.

³⁰ Highlighting the need for better accountability to shareholders and to home country interests,

The *China Daily* of November 20, 2006 provides a useful example of developments in the years since China was admitted to membership in the WTO: "Global nuclear giant Westing-house said it is offering an all-round technology transfer in its bid for China's third-generation nuclear power generation units...'We will fully cooperate with our customers to transfer all technology as requested,'" said Stephen R. Tritch, president and chief executive officer (CEO) of Westinghouse Electric Company.

Westinghouse' major competitor for contracts estimated to reach \$8 billion was a consortium led by French-owned Areva which also promised to fully transfer its competing technology to win the contract. As the *China Daily* explained: "Winning the bid for the four nuclear reactors is considered vital for the two companies, as the Chinese Government said it will adopt a unified, standardized design for the third-generation nuclear reactors across its nuclear industry." Winning the contract threatens to create powerful Chinese state-owned competitors. But the losing technology could be shut out of any access to China's projected \$50 billion nuclear construction market over the next 14 years, possibly suffering a devastating blow in financial markets and in other product markets as well.

Westinghouse was awarded the contract in December 2006 with the *China Daily* explaining: "Sources said the country chose Westinghouse based on its technology, its agreement on transferring expertise, the style of cooperation and the prospects for developing locally-based technology...Westinghouse, and China's State Nuclear Power Technology Co. also signed a companion agreement on specific terms for the technology transfer."³¹

Weeks later, with Westinghouse' technology transfer and other negotiations still ongoing, China's Nuclear Society announced that Areva, too, would be awarded an additional \$5 billion contract to build two nuclear reactors using -- and transferring -- their competing next generation technology. Thus, the two leading third-generation nuclear reactor technologies are both being transferred to Chinese state-controlled groups with China's government also having leverage to play both current and future developments in each technology off the other.

This competition between the world's leading technology firms to win the right to transfer vital, core technology and ongoing R&D to China has accelerated rapidly. As the *Wall Street Journal* explains in a page one story: "To be considered in the bidding for equipment contracts totaling several billion dollars, General Electric and its competitors were required to form joint ventures with the state-owned Chinese power companies. GE was also required to transfer to their new partners technology and advanced manufacturing guidelines for its '9F' turbine, which GE had spent more than a half billion dollars to develop."³²

many executives of TNCs in China leave their firm to pursue their own interests in China and/or to join Chinese competitors. John Thornton, then-President and Co-COO of Goldman Sachs, left in 2003 to pursue his own interests in China. Of course, IBM executives transferred to Lenovo when acquired and several top Dell executives have also moved to Lenovo and other local competitors. Dell's former CEO, Kevin Rollins, joined Lenovo's key private equity investor. TNC executives that facilitate ventures in China receive enormous and immediate personal compensation for activities that may or may not prove to the long-term benefit of their firm or client. See Ed Frauenheim, "For CEOs, offshoring pays," *CNET News*, August 31, 2004. ³¹"World nuclear giants bid for contract with China," November 20, 2006 and "Nuke Deal," December 18, 2006 articles in the *China Daily Online*. Westinghouse became a subsidiary of Toshiba in 2006. The Areva announcement is "China Makes Deal for Two Nuclear Plants," *Reuters*, February 14, 2006.

³²"China's Price for Market Entry: Give Us Your Technology, Too -- GE Shares Generator Plans

Following the investigations of the Select Committee of the US House in 1998, the US Department of Commerce first identified in 1999 that, along with the acquisition and development of key technologies, China's preferred offset demand from global firms was the establishment of joint R&D centers in China.³³ From only 124 foreign-funded R&D centers in 2001, there are now over 1000 centers -- an eight-fold increase in six years -- involving virtually every leading global technology firm. Most centers are carefully targeted and are now integrated with the global firms' worldwide capabilities.

In 2002 the web site for GE Corporate R&D featured the Director of its new Shanghai center, Dr. Xiangli Chen, who explained, "There are several factors that make us unique: we are multi-disciplined and we are integrated with the global R&D team. What does that mean? You might be a physicist in China who works closely with a structural engineer in Bangalore, India or Niskayuna (New York,) USA. Our curiosity and fascination with technology draws us together, and we are driven to push its boundaries." This global integration is now standard practice.³⁴ China's new emphasis on spurring its own pragmatic innovation beyond that provided by the R&D of TNCs in China is the logical next step that is only now becoming possible.

China's 11th Five-year Development Plan (2006-2010) focuses squarely on owning key technologies -- not just gaining access through TNC joint-ventures -- controlling technical standards and developing their own Chinese brands. China is also phasing out its 30-year-old preferential tax treatment of foreign-invested operations in China -- unless deemed to provide needed technology -- raising taxes from 15% to 25% on foreign-based firms and lowering taxes from as high as 33% to 25% on domestic firms. These policies would not be possible without the past unprecedented success and remarkable current negotiating strength of China's authorities.³⁵

China's ability to acquire and develop key technologies is the result of China's unique market power but also of an extraordinary effort that remains best examines by the 1998 Cox Commission despite the Commission's limited focus primarily on illegal acquisition of military technologies. Most of the methods identified apply equally well to commercial technologies. The PRC uses a variety of approaches to acquire military technology. These include:

• *Relying on "princelings" who exploit their military, commercial, and political connections with high-ranking CCP and PLA leaders to buy military technology from abroad.*

• Illegally transferring US military technology from third countries.

• Applying pressure on US commercial companies to transfer licensable technology illegally in joint ventures.

• Exploiting dual-use products and services for military advantage in unforeseen ways.

• Illegally diverting licensable dual-use technology to military purposes.

• Using front companies to illegally acquire technology.

To Win \$900 Million Deal; Gray Area in WTO Rules Kathryn Kranhold, *The Wall Street Journal*, February 26, 2004.

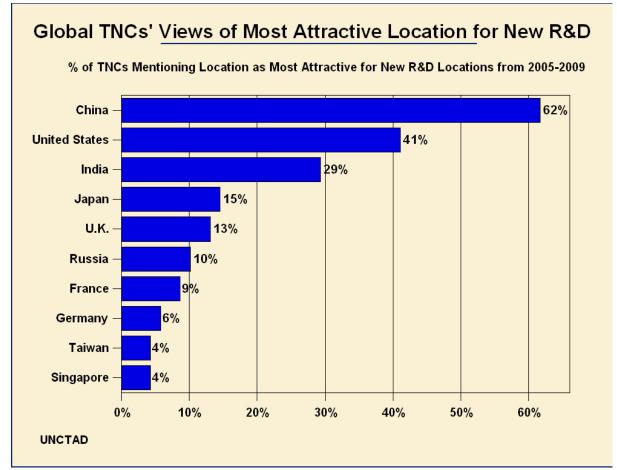
³³ "China welcomes foreign investment in hi-tech industry," China Daily, September 27, 2007.
 ³⁴Don Lee, "Research follows factories to China: Engineers and scientists are returning as the country's economy diversifies beyond manufacturing," *Los Angeles Times*, January 14, 2007. See "Features and impacts of the internalization of R&D by transnational corporations: China's case," Zhou Yuan in Globalization of R&D and Developing Countries, (NY and Geneva: United Nations Conference on Trade and Development, 2005.) pp. 109-115.

³⁵Report on the Work of the Government delivered by Premier Wen Jiabao to the National People's Congress, March 5, 2005. "Tax reforms to continue in 2007," *China Daily*, 1-25-2007.

- Using commercial enterprises and other organizations as cover for technology acquisition.
- Acquiring interests in US technology companies.

• Covertly conducting espionage by personnel from government ministries, commissions, institutes, and military industries independently of the PRC intelligence services.³⁶

These methods are incremental, the result of a powerful, patient and pragmatic strategy of negotiations along with other means. But the power of each of these methods -- legal and illegal -- has increased dramatically with China's vastly greater wealth and other developments.³⁷ (See following page for a brief recent example of China's policy perspective.)



Indeed, surveying the world's major TNCs in 2005, the United Nations Conference of Trade and Development (UNCTAD) found that China was already the overwhelming TNC choice to locate new R&D facilities. China was seen as one of the "most attractive" global locations to site a new R&D facility by 61.8% of TNC whereas the US was identified by only 41.2%, Japan by 14.7%, the UK by 13.2% and Germany by 5.9%. Furthermore, UNCTAD confirmed that "In the past, major corporations used R&D in developing countries largely as a way of adapting products and processes to local markets. But now the trend is increasingly

³⁶ <u>Select Committee Report</u>, Chapter 1 pp. 20-21.

³⁷ "Annual Report To Congress: Military Power of the People's Republic of China - 2007", US Department of Defense, May 2007. For mounting commercial concerns in the US and Europe, see for recent examples, "China's cyber-spies spread their net," *Financial Times*, 9-3-2007.

"Gov't to guide flow of capital," February 27, 2007 China Daily

The Chinese government will optimize foreign investment inflow to the country to offset any negative impact from policy adjustments, according to a senior commerce official.

"We will encourage foreign investment to industries involved in high-tech, modern services and high-end manufacturing," said Li Zhiqun, director of the commerce ministry's Foreign Investment Department.

He added China will also encourage foreign investors to move from the nation's coastal to central and western regions.

He said the ministry would accelerate plans to publish foreign investment guidelines this year. The information will encourage foreign investors to look at high-tech industries, advanced manufacturing and modern services when investing in China, as well as set up research and development centers in the country.

Meanwhile, an unnamed finance ministry official was quoted by Xinhua News Agency as saying China will use import and export tariffs to guide foreign capital inflows.

New policies will be launched this year, with import tariffs to be used to guide foreign capital flows into the high-tech, agricultural and manufacturing sectors, the official said.

But Li noted there are a number of changes in the country's policies expected to affect the country's ability to lure foreign investors.

According to a draft law, the country will unify income tax rates for domestic and foreign companies at 25 percent. Chinese domestic companies currently pay 33 percent income tax, while foreign companies, which benefit from tax waivers and incentives, pay an average 15 percent.

China also strengthened regulations on processing trade and reduced export tax rebates in some categories and will further adjust land use and environmental protection policies this year, all of which is likely to dampen favorable policies for foreign investors.

"That means some uncertainties in attracting foreign investment," Li said.

According to the latest survey of the United Nations Trade and Development Council, China has replaced the United States as the preferred location for multinationals' research and development centers.

Li said China is expected to benefit from the change because it will help the restructuring of domestic industries and improve the quality of foreign investment.

China received some \$69.5 billion in actual foreign direct investment (FDI) last year, but growing foreign capital also caused strong debate about whether too many foreign mergers and acquisitions (M&As) will hurt domestic industries.

Li said that foreign M&As are not a threat now, as "M&As by foreign investors are actually seldom seen in China and most of the FDI to China is greenfield investment".

Multinational M&A activities in recent years have been small-scale and include the heavy and chemical industries, consumer goods manufacturing and services.

"We hope to avoid foreign investors' monopolies and vicious mergers and keep control of the key sectors to guarantee national economic security," Li said.

towards technology development for regional or global markets, and towards applied research" within the globally integrated network of each TNC.³⁸

UNCTAD's survey confirms that China's combination of low wages, a large pool of skilled workers and soaring economic growth are highly appealing to the world's most sophisticated corporations. As the OECD recently also noted, UNCTAD emphasizes that the effects of TNC R&D are not automatic but are dependent on the quality of human resources, institutions and the capabilities of domestic firms. China's leaders appear quite clear on the need for policy coordination but with uniquely Chinese characteristics different from current Western models.

Specifically, businesses in the US and throughout the old G7 are focused on shedding non-core capabilities and focusing on narrow "niche" markets to survive and, hopefully, to prosper. Many western companies today produce little themselves, depending instead on their well-established brands and core patents as they focus increasingly on "supply-chain management, major scientific breakthroughs and finance. Deeply indebted Western governments are focused on deregulation and the privatization even of core functions like highways and water.

This "dis-integration" or "hollowing-out" has been the key Western strategy for so long that it often now is seen as the only sensible strategy for business or government. As in the reports noted above by the UNCTAD and OECD, China is constantly lectured on the urgent need to adopt this Western model or face dire future consequences. Others, as Michael Spence, Lester Thurow and the Rand team, cited above, seem to deny even the success that China now clearly has attained.

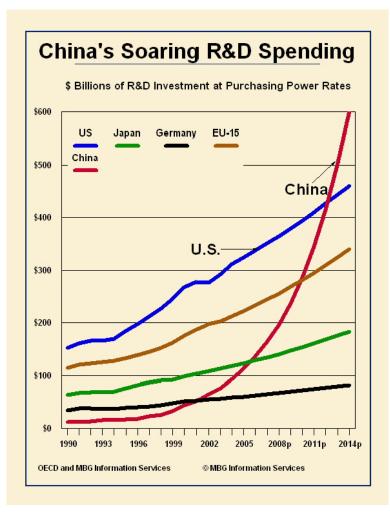
China, on the other hand is pragmatically building diversified, efficient, localized supply chains and large, vertically integrated firms that welcome "Hail Mary" technology breakthroughs (when appropriate) but do not rely on them for continued success. Certainly China's unprecedented rapid growth has created very serious inequalities, environmental and other problems that need further, perhaps rapid innovation to address. But, as a recent World Bank report notes, China's remarkable growth and modernization has already lifted 500 million of its people out of severe poverty in just one generation.³⁹

China's remarkable ability to acquire technology does not necessarily imply any intention on the part of China's rulers beyond the aggressive and sophisticated pursuit of China's own prosperity and security. *What is of vital importance, however*, as former US Senator Ernest (Fritz) Hollings and I have pointed out: "Make no mistake, with China's much larger population and lower production costs, the only way the US can maintain its high standard of living and military security is to retain vastly superior technology within its borders. This has nothing to do with where a TNC may be incorporated but only with what takes place within US borders. This vital national interest is not being protected and is now in grave and immediate danger."⁴⁰

The Organization for Economic Cooperation and Development's found that the purchasing power of spending on R&D in China, and the employment of researchers, exceeded that in

³⁸ World Investment Report United Nations New York and Geneva, 2005: Transnational Corporations and the Internationalization of R&D, (NYC and Geneva: UNCTAD, 2005) p.153 and UNCTAD press release, "Developing Countries Emerge As Attractive Locations for R&D," September 29, 2005. Also <u>OECD Review of Innovation Policy: China</u>, (Paris, OECD, 2007.) ³⁹ David Dollar, "Poverty, inequality and social disparities during China's economic reform," The World Bank white paper, June 2007.

⁴⁰Ernest Hollings and Charles W. McMillion, "China threatens US technology leadership," *Financial Times*, January 15, 2007.



Japan in 2006, becoming second only to the United States. R&D spending in China grew by more than 20% per year for a decade while spending in the US slowed to just 4% in recent years. The OECD points out that if present trends continue, China could pass the United States in just seven years and far exceed the US thereafter. If spending in China accelerates further or if spending in the US continues to slow, China would be the world leader even sooner. Indeed, China's "collaborative" pipelines with the world's leading TNCs mean that actual spending figures grossly understate the pace of progress.

"The rapid rise of China in both money spent and researchers employed is stunning," said Dirk Pilat, Head of the OECD's Science and Technology Policy division.⁴¹

Most R&D in China remains a variation on the theme of reverseengineering and most advances remain within TNCs.⁴² China's

vastly lower production costs allow "fast followers" and "cherry pickers" to reap much of the financial benefit from the innovations of others as it builds infrastructure and supply chains in pursuit of a steady "evolutionary" rather than "revolutionary" approach to innovation. But this is rapidly changing, too, as the 11th Five Year Plan now seeks to use China's new strengths in production to develop their own brands, key technologies and technology standards and to go global.

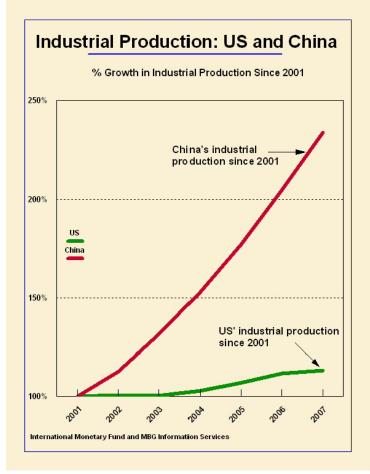
⁴¹ OECD press release, "China will become world's second highest investor in R&D by end of 2006, finds OECD," December 4, 2006 and the report <u>OECD Science, Technology and Industry</u> <u>Outlook 2006</u>, (Paris: OECD, 2006.) The OECD adjusts spending in each country to Purchasing Power Parity. Reported nominal spending on R&D in China, \$139 billion, was more than three times China's reported total nominal military spending.

⁴²China's official news sources often emphasize the country's technology dependence as a key challenge to overcome much in the same way the US refers to oil dependence. "China lags far behind in four major scientific fields," *People's Daily*, March 21, 2007.

China's Accelerating Advanced Production and Trade:

Since 2001, US industrial production has increased by an average of 2.1% per year for a total increase of 13.4%. During this time China's industrial production grew by 15.2% per year adding 134.2% to output -- almost exactly 10 times US growth. China's industrial production rose 18.5% yr/yr to June 2007 -- 13 times the 1.4% US growth.⁴³

China's strong industrial growth is widespread between industries but increasingly concentrated in fewer very large firms. The combined receipts of China's top 500 companies rose 23.7% to \$2.3 trillion in 2006, equal to 83.5% of total GDP -- up from less than 78% in



2005. State-controlled but publicly traded China Petroleum and Chemical Corporation (Sinopec) heads the list with \$139 billion in annual receipts. China National Petroleum Corporation (SNPC,) the State Grid Power Corporation of China (SGPCC,) ICBC and China Mobile -- all state controlled -- round out the top five. Indeed, 349 of the top 500 are state owned or controlled with combined receipts totaling \$2 trillion -over 75% of China's \$2.6 trillion GDP.⁴⁴

China's state-owned and controlled companies lost money as late as 2000. But with massive restructuring and new management, most are now profitable with the largest 423 reporting combined profits of \$73.1 billion for just the first six months of 2007. SOEs will begin paying dividends in 2008. China Mobile and four other SOEs are now included in Fortune Magazine's list of the world's 500 firms most admired by financial analysts and TNC executives.⁴⁵

China's publicly traded companies reported combined net profits up 70.8%

in the first half of 2007 on 24.5% growth in total revenue.⁴⁶

Rapid growth is driven by 25-30% annual increases in fixed investment, compared with annual fixed investment growth of less than 2% in the US. With Chinese authorities working to

⁴³ International Financial Statistics, International Monetary Fund. August, 2007.

⁴⁴ "Top 500 Enterprises 2007 take up 84% of GDP," *China Daily*, September 1, 2007. Fortune Magazine now lists Sinopec's revenues as the 17th largest in the world -- second only to Toyota in Asia -- and SNPC with the 17 largest profits. 22 of China's state owned companies now make the Fortune Global 500 lists. "Three more on Global 500 list," *China Daily*, July 13, 2007.
 ⁴⁵ See "Economic trade agency: SOEs on track for profits," *ChinaOnline*, October 12, 2000 and "China's major SOEs see total assets reach 16.4 trillion yuan, *China Daily*, July 20, 2007.
 ⁴⁶ "Listed firms post 70% growth in first-half net profits," *China Daily*, August 31, 2007. "SOEs in list of most admired," *China Daily*, September 13, 2007.

slow the pace of direct investment in the first half of 2007, it nonetheless soared by 25.9% yr/yr down only slightly from a 29.8% yr/yr rise in 2006H1. Slowing the rate of investment growth is made more difficult by the current shift of resource-related industries to central and western areas. Investment growth in 2007 is up by 35.6% and 30.2% in the central and western regions, respectively, and up 22.3% in the east.⁴⁷

Housing construction has grown at more than a 20% annual rate since 2001 with even more square meters of new construction reportedly occurring in rural than in urban areas. Annual sales of home furnishings almost tripled by the end of 2006 with overall retail sales up 15.4% yr/yr to June 2007. New commercial construction has stabilized in recent years after several years of strong growth but overall real estate investments were up 28.9% yr/yr to July 2007.⁴⁸

Infrastructure: China invested \$1.6 Trillion on basic industries and infrastructure construction just between 2003 and 2006. Infrastructure spending soared almost 30% per year in rural areas between 2001 and 2006. This included 226,000 kilometers of highway and over 4,000 kilometers of railway but also wide-ranging energy and telecommunications projects. 8,711 bus stations were opened in rural areas during 2006. In rural China, an additional 3,000 kms of road are to be added or upgraded in 2007, 74 airports are being built or expanded, and the power grid is being extended to reach more of the 11.5 million Chinese still without electricity.⁴⁹

To cope with the flood of 10-20 million people migrating from western rural areas, the construction of new infrastructure along the urbanized, eastern coastal areas has been even more rapid in recent years. China is also coping with its cycle of double-digit growth and preparing for the 2008 Beijing Olympics and the 2010 Shanghai World Expo. The SPCC is spending a record \$28.6 billion on construction in 2007 largely to start work on a 52,000-km-long, 110-kv-and-above, alternating-current electricity transmission project, with a transformation capacity of 230 million kilo voltage amperes (kva). The SPCC is now operationalizing 48,000 km of 110-kv-and-above alternating-current electricity transmission lines, with a transformation capacity of 190 million kva.

In total, the state-owned electric power industry invested a record \$56.7 billion in 2006 while the state-owned oil and petro-chemical industry invested \$52.0 billion -- some on foreign acquisitions.⁵⁰ Despite severe and growing environmental hazards, coal continues to fuel 70% of China power output with coal production rising 18% in the first half of 2007.⁵¹

⁴⁷ "Analysts detect structural changes in fixed-assets investment," *China Daily*, July 20, 2007. US data are from the Department of Commerce, Bureau of Economic Analysis.

⁴⁸ "China's GDP grows 11.5% in first half year," *People's Daily*, July 19, 2007. "Over USD 657 billion injected in China's real estate sector," *Zee News*, January 30, 2006 and Shai Oster,
"Property Owners Feel Right at Home in China," *The Wall Street Journal*, 3-14-2007. "China's fixed assets investment in urban regions up 26.6% in first seven months," *China Daily*, 8-16-07.
⁴⁹ " Investment benefits infrastructure sector," *China Daily*, September 22, 2007. "One trillion yuan spent on western infrastructure," *China Daily*, September 6, 2006. "China plans to expand rural road network next year," *China Daily*, January 4, 2007. "China plans to invest 23.6 bln yuan to extend power grid," *China Daily*, December 22, 2006. "74 airports to be built in western China," *China Daily*, March 16, 2007.

⁵⁰ "China to make record investment to expand power grids," *Chinaview*, March 6, 2007. China's extraordinary growth has tested the capacity of its abilities to generate electricity, leading to costly brownouts during 2005 and 2006. For a detailed discussion of problems and current initiatives see the excellent "Power Transmission and Distribution Market in South China," Interna-

Even more than in other parts of the world, China has struggled in recent years with the availability and quality of water. Spending on water-related construction and treatment services increased rapidly in recent years with the Construction Ministry pledging to accelerate spending to an additional \$130 billion just in urban areas from 2006-2010.⁵²

China's rail network has been expanding at the rate of 9.5% per year since 2001 and much of the existing rail has been sharply upgraded. In April 2007, the rail speed limit was raised for the sixth time since 1997 allowing freight and passenger trains in most of China to travel as much as 30% faster, to as fast as 250 kms per hour. The National Development and Reform Commission has also approved the accelerated spending of \$190 billion over the next three years to add 20,000 kms of new rail line and upgrade 15,000 kms of existing rail line. These and other measures are urgently needed to address severe congestion. The Commission has pledged to double rail transport turnover rate between during the 11th 5-Year Plan.⁵³

Additionally, the Construction Ministry has pledged \$82 billion in new construction spending to extend subways and light rail systems in 15 large cities over the next 10 years.⁵⁴ Similar, massive new seaports, expansions of urban airports and other major infrastructure projects are now underway or well along in the planning stage. New, fixed investment in the telecommunications industry slowed to just 7.5% last year, totaling \$28 billion. But telecom investment is expected to soar immediately when firms are granted licenses for the next, third generation (G3) services, expected early in 2008.⁵⁵

This massive spending on infrastructure improvements since 2001 vastly improved productivity and lowered costs of production in China, helping to offset most if not all of the sharply rising cost of labor. This has kept consumer price increases to just 1.3% per year since 2001. At time of writing, sharply rising food prices, particularly for pork, threaten to raise prices in 2007 by as much as 4% although "core" prices (other than food and energy) are reported up just 0.9% yr/yr to June 2007. China's ongoing infrastructure spending and still very significant modernization plans suggest that strong productivity improvements will likely continue to significantly offset rising costs for at least several more years.

Of course, it is the spectacular growth in manufacturing that is the key to China's ability to sustain its financial, infrastructure and other developments. Over the past five years of rapid and accelerating growth, China has come to be routinely referred to as "the world's factory." China now dominates the world's basic industries. With production increasing by over 20% per year, China produced one-third of the world's steel in 2006; equivalent of the steel produced in the US, Japan, Russia, South Korea and Brazil combined.⁵⁶ China is now the world's largest aluminum producer, with four times the US output in 2006.⁵⁷ It dominates the world's clothing

tional Market Insight report by the US Dept. Of Commerce, Foreign Commercial Service in Guangzhou, May 23, 2007. "Energy investment by China's central SOEs beats projections," *China Daily*, February 20, 2007.

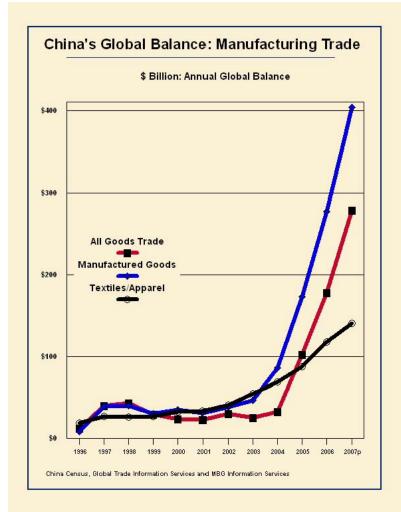
⁵¹ "China says coal use surging despite environmental worries," Associated Press, 7-25-2007.
 ⁵² "China to invest RMB 1 trillion to improve its water quality," *Chinaknowledge*, 8-24-2006.
 ⁵³ "China plans 5-year leap forward in railway development," *China Daily*, October 6, 2006.
 "China's railway network enters high speed era," *People's Daily*, April 13, 2007. Brian Brenmer, "China's Great Rail Spree Continues," *BusinessWeek*, March 20, 2007.

⁵⁴ "China to invest 620 bln yuan to expand urban rail systems," *China Daily*, July 13, 2007.

⁵⁵ "China posts double-digit growth in returns for telecom services," *China Daily*, 1-23-2007.

⁵⁶ "China's Steel Export Is Accelerating," China Daily, July 25, 2006.

⁵⁷ "Production output speeds up as exports and spending rise," 12-14-2006 China Daily. Rebecca



and textile, industries and is rapidly moving up the value chain of high quality fashion and new materials.

China's manufacturing sector has undergone profound growth and transformation that was visible to careful analysts long ago but became quite obvious only in the past four years. China's total manufacturing trade passed that of the US in 2006 and has now passed Germany to become the world's largest.

Even with remarkable output growth, as late as 2003, outside of the textile and apparel industry, China produced less manufactured goods than it used for its own consumption and investments. That is, other than textiles and apparel, China was a net global importer of manufactured goods as late as 2003. (see table at pp. 19-20 for China's global industry trade balances)

Global textiles and apparel trade provided China a record \$55.1 billion surplus in 2003, more than that year's entire \$46.6 billion surplus in manufactured goods trade.

Three years later, in 2006, China's textile and apparel surplus with the world had more than doubled to \$117.2 billion but China's total manufacturing surplus had rocketed by 495% to a remarkable record \$277.2 billion, 2.4 times the textile/apparel surplus. Through mid-2007, China's global manufacturing trade surplus was up another 46% yr/yr, headed to near \$400 billion (over 13% of GDP) for all of 2007, near triple the soaring textile and apparel surplus.⁵⁸

China's global surplus in manufactured goods is far more than its surplus in all traded goods because of its enormous and rapidly rising deficits for raw materials to fuel its growth. China's net payments for mineral fuels in 2006 soared to \$71.3 billion and may reach nearly \$80 billion for all in 2007. China's trade deficit for ores, chiefly iron ore, reached \$31 billion in 2006 and may exceed \$50 billion for 2007. The many economic and political effects of China's soaring demands on world raw materials are vital but outside the scope of this report. Likewise, for the growing dependence of Taiwan and others in Asia on their large China trade surpluses.

Bream, "Looking east as worldwide demand soars," Financial Times, 11-7-2006.

⁵⁸ "Manufacturing is defined here as Harmonize International Industry Series Codes (HS) 28-96 less HS 5201 raw cotton. Textiles and apparel are defined as HS 50-63 less HS 5201. Agriculture is here defined as "foods and tobacco," HS 01-24 and a second grouping for Agriculture plus raw cotton and HS 41, hides and skins. These data are from China's Customs Ministry as reported by Global Trade Information Services.

China's Soaring Trade Surplus With The World: 2001 - 2007 Manufacturing Production and Export Are Driving China's Remarkable Growth

HS Codes: \$Millions of Annual Trade Balance	2001	2002	2003	2004	2005	2006	2007*	Totals 2001-'07*
Merchandise Totals	\$23,094	\$30,339	\$25,377	\$32,836	\$102,105	\$177,530	\$278,683	\$669,964
28-96 Manufacturing Totals	31,009	38,886	46,598	86,185	172,773	277,250	404,029	1,056,730
01-24 Agriculture Totals	5,709	7,083	5,137	728	4,296	6,581	5,734	35,268
01-24 Agriculture, HS 5201 Cotton & HS 41 Hides/Skins	3,454	4,776	1,490	(5,614)	(2,148)	(2,072)	(1,616)	(1,729)
50-63 Textiles and Apparel less 5201 raw cotton	33,599	40,886	55,111	68,955	87,427	117,239	140,177	543,394
84 Mechanical/Computers	(6,933)	(1,343)	11,844	26,803	53,416	77,190	108,691	269,668
61 Articles Of Apparel And Clothing Accessories, Knit	12,990	15,465	20,130	25,163	30,180	44,186	61,328	209,442
62 Articles Of Apparel And Clothing Accessories, Not	18,229	19,826	24,301	28,191	34,222	42,842	48,138	215,749
94 Furniture; Bedding, Cushions Etc.; Lamps And Light 73 Articles Of Iron Or Steel	7,241 3,945	9,454 4,496	12,239 6,079	16,480 9,066	21,546 13,337	27,012 19,839	34,306 34,112	128,278 90,874
85 Electrical Machinery And Equipment And Parts There	(4,587)	(8,159)	(14,978)	(12,362)	(2,507)	8,460	31,400	(2,733)
95 Toys, Games And Sports Equipment; Parts & Access.	8,814	11,253	12,837	14,600	18,520	21,878	25,287	113,189
64 Footwear, Gaiters And The Like; Parts Of Such Arti	9,762	10,788	12,583	14,731	18,507	21,205	25,146	112,722
72 Iron And Steel	(8,699)	(10,929)	(18,816)	(12,166)	(11,127)	5,117	20,550	(36,070)
42 Articles Of Leather; Saddlery And Harness; Travel	6,907	7,739	9,388	10,080	11,171	12,046	13,924	71,255
63 Made-Up Textile Articles Nesoi; Needlecraft Sets;	3,669	4,353	6,107	7,698	10,221	11,938	13,040	57,026
89 Ships, Boats And Floating Structures 87 Vehicles, Other Than Railway Or Tramway Rolling St	1,228 239	1,319 (692)	2,211 (3,725)	2,122 (1,133)	4,228 4,329	7,572 5,341	11,397 10,180	30,076 14,541
86 Railway Or Tramway Locomotives, Rolling Stock, Tra	1,991	1,959	3,586	5,148	5,923	5,446	9,488	33,541
83 Miscellaneous Articles Of Base Metal	1,213	1,665	1,963	2,953	4,055	5,488	7,856	25,193
69 Ceramic Products	1,618	2,185	2,736	3,580	4,739	5,956	6,565	27,379
16 Edible Preparations Of Meat, Fish, Crustaceans, Mo	2,031	2,307	2,654	3,463	4,339	5,447	6,492	26,733
76 Aluminum And Articles Thereof	(764)	(159)	40	236	1,111	3,076	5,869	9,411
82 Tools, Implements, Cutlery, Spoons And Forks	1,771	1,990	2,347	2,913	3,593	4,160	5,519	22,292
20 Preparations Of Vegetables, Fruit, Nuts, Or Other	1,414	1,647	2,034	2,436	2,942	3,586	5,327	19,387 19,107
96 Miscellaneous Manufactured Articles 28 Inorganic Chemicals; Organic Or Inorganic Compound	1,271 1,236	1,493 1,084	1,822 866	2,473 882	3,187 2,128	3,847 1,340	5,013 4,494	12,030
70 Glass And Glassware	(143)	151	302	950	1,919	2,642	4,401	10,222
48 Paper And Paperboard; Articles Of Paper Pulp, Pape	(2,167)	(2,428)	(2,088)	(1,789)	(456)	1,189	4,272	(3,466)
68 Articles Of Stone, Plaster, Cement, Asbestos, Mica	855	1,045	1,276	1,565	2,222	2,987	3,936	13,887
54 Manmade Filaments, Including Yarns & Woven Fabri	(1,705)	(904)	151	1,358	2,119	2,798	3,913	7,730
55 Manmade Staple Fibers, Including Yarns & Wovens	(269)	(471)	(472)	134	1,133	2,703	3,533	6,292
58 Special Woven Fabrics; Tufted Textile Fabrics; Lac 71 Natural Or Cultured Pearls, Precious Or Semiprecio	177 1,415	510 1,509	849 1,450	1,162 1,795	1,862 2,062	2,526 2,283	3,526 3,308	10,613 13,820
60 Knitted Or Crocheted Fabrics	24	574	868	1,182	1,773	2,203	3,283	10,192
07 Edible Vegetables And Certain Roots And Tubers	1,540	1,689	1,940	2,132	2,530	2,959	3,211	16,001
81 Base Metals Nesoi; Cermets; Articles Thereof	530	420	751	1,425	1,645	1,941	2,742	9,455
44 Wood And Articles Of Wood; Wood Charcoal	(1,160)	(1,308)	(1,176)	(183)	705	2,118	2,469	1,464
65 Headgear And Parts Thereof	616	742	932	1,169	1,432	1,735	1,905	8,531
67 Prepared Feathers And Down And Articles Thereof	841 427	899	967	1,085	1,208 18	1,403 218	1,685	8,088
10 Cereals 49 Printed Books, Newspapers, Pictures And Other Prin	116	1,169 278	2,145 357	(1,478) 562	715	903	1,611 1,487	4,110 4,419
46 Manufactures Of Straw, Esparto Or Other Plaiting M	582	719	876	1,029	1,137	1,306	1,480	7,129
66 Umbrellas, Sun Umbrellas, Walking-Sticks, Seat-Sti	605	579	662	828	951	1,135	1,452	6,213
50 Silk, Including Yarns And Woven Fabrics Thereof	715	671	714	922	1,200	1,296	1,242	6,761
03 Fish And Crustaceans, Molluscs And Other Aquatic I	1,263	1,312	1,471	1,723	1,470	1,589	1,229	10,058
57 Carpets And Other Textile Floor Coverings	459	522	591	715	870	994	1,208	5,359
33 Essential Oils And Resinoids; Perfumery, Cosmetic	234 322	317 396	480 525	537 688	701 797	868	1,074	4,211
92 Musical Instruments; Parts And Accessories Thereof 59 Impregnated, Coated, Covered Or Laminated Textile	(701)	(571)	(400)	(111)	304	886 562	1,036 1,033	4,650 116
09 Coffee, Tea, Mate And Spices	522	528	596	832	885	935	1,032	5,331
91 Clocks And Watches And Parts Thereof	819	825	985	994	897	889	936	6,346
08 Edible Fruit And Nuts; Peel Of Citrus Fruit Or Mel	69	177	257	298	411	544	848	2,605
05 Products Of Animal Origin, Nesoi	481	462	523	726	791	802	802	4,587
40 Rubber And Articles Thereof	(445)	(476)	(1,158)	(933)	(77)	(1,036)	752	(3,372)
21 Miscellaneous Edible Preparations	219 283	281 317	234 352	138 397	406 451	587 504	735 627	2,599 2,931
36 Explosives; Pyrotechnic Products; Matches; Pyropho 43 Furskins And Artificial Fur; Manufactures Thereof	283 312	317	352 684	397 1,671	451 2,272	504 868	538	2,931 6,700
19 Preparations Of Cereals, Flour, Starch Or Milk; Ba	320	312	379	458	520	502	492	2,983
78 Lead And Articles Thereof	228	206	193	336	404	644	486	2,498
24 Tobacco And Manufactured Tobacco Substitutes	119	191	185	221	152	102	485	1,455
56 Wadding, Felt And Nonwovens; Special Yarns; Twine,.	(70)	(69)	(55)	(23)	154	268	384	589
98 Special Classification Provisions, Nesoi	(1,093)	(916)	(311)	(421)	(397)	373	335	(2,430)
01 Live Animals 80 Tin And Articles Thereof	309 204	290 55	209 57	110 83	220 (173)	270 (147)	298 150	1,705 228
	207		51	00	(110)	(1+1)	100	220

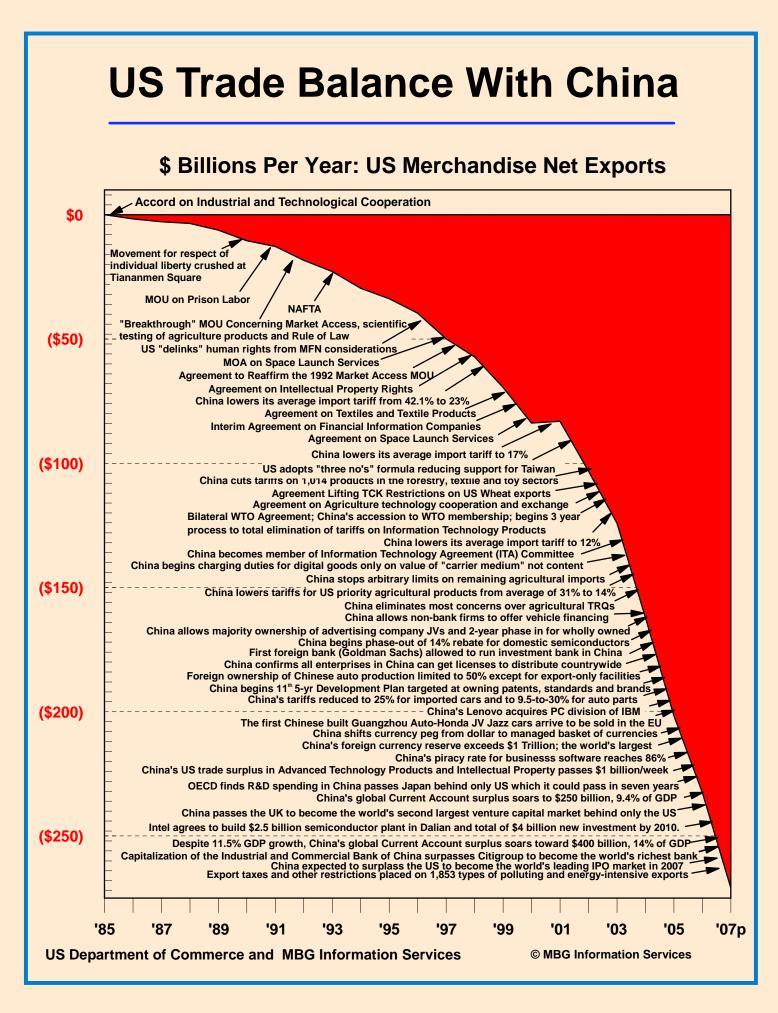
China's Soaring Trade Surplus With The World: 2001 - 2007

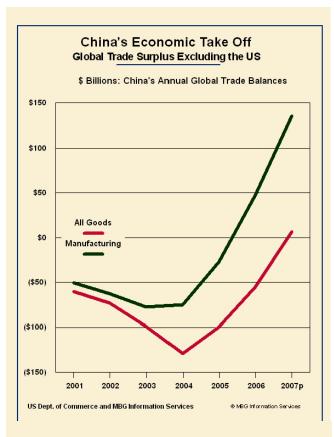
Manufacturing Production and Export Are Driving China's Remarkable Growth

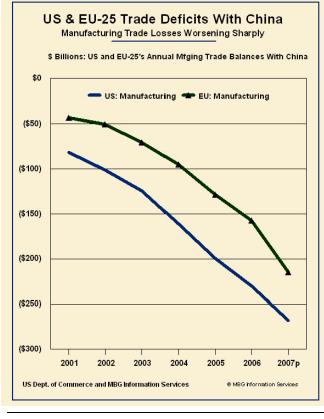
HS Codes: \$Millions of Annual Trade Balance	2001	2002	2003	2004	2005	2006	2007*	Totals 2001-'07*
79 Zinc And Articles Thereof	\$377	\$182	\$108	(\$243)	(\$616)	(\$162)	\$134	(\$219)
52 Cotton, Including Yarns And Woven Fabrics Thereof	721	1,567	1,572	(296)	362	(238)	120	3,808
11 Milling Industry Products; Malt; Starches; Inulin;	27	23	6	(19)	25	(11)	101	153
17 Sugars And Sugar Confectionary	(221)	(53)	(20)	(84)	(29)	(155)	90	(470)
13 Lac; Gums; Resins And Other Vegetable Saps	35	41	22	14	50	80	87	330
97 Works Of Art, Collectors' Pieces And Antiques	15	18	15	23	38	53	84	247
25 Salt; Sulfur; Earths And Stone; Plastering Materia	576	346	83	(275)	1	426	83	1,240
06 Live Trees And Other Plants; Bulbs, Roots And The	13	10	4	13	8	36	64	148
93 Arms And Ammunition; Parts & Accessories Thereof	11	14	14	19	26	37	61	181
22 Beverages, Spirits And Vinegar	428	449	439	482	305	504	43	2,650
53 Vegetable Textile Fibers Nesoi; Yarns & Woven Fa	185	167	91	83	140	174	28	867
32 Tanning Or Dyeing Extracts; Tannins And Derivative	(575)	(701)	(1,056)	(1,046)	(595)	(511)	5	(4,477)
45 Cork And Articles Of Cork	(8)	(9)	(8)	(11)	(10)	(4)	(14)	(64)
14 Vegetable Plaiting Materials And Vegetable Product	(22)	(0)	(27)	(44)	(19)	(46)	(28)	(186)
18 Cocoa And Cocoa Preparations	(53)	(44)	(61)	(66)	(66)	(60)	(59)	(409)
04 Dairy Produce; Birds' Eggs; Natural Honey; Edible	(26)	(78)	(129)	(214)	(195)	(263)	(275)	(1,179)
35 Albuminoidal Substances; Modified Starches; Glues;	(275)	(297)	(329)	(334)	(279)	(335)	(297)	(2,146)
34 Soap Etc.; Lubricating Products; Waxes, Polishing	(48)	(77)	(157)	(222)	(300)	(371)	(396)	(1,571)
31 Fertilizers	(1,196)	(2,003)	(960)	(976)	(2,040)	(1,312)	(406)	(8,893)
23 Residues And Waste From The Food Industries; Prepa	(343)	(363)	(276)	(444)	(827)	(782)	(464)	(3,499)
37 Photographic Or Cinematographic Goods	(40)	(44)	18	50	96	(290)	(563)	(773)
51 Wool And Fine Or Coarse Animal Hair, Including Yar	(815)	(763)	(365)	(373)	(300)	(143)	(600)	(3,359)
02 Meat And Edible Meat Offal	245	40	(111)	230	155	61	(856)	(236)
30 Pharmaceutical Products	(248)	(340)	(481)	(465)	(590)	(868)	(1,417)	(4,410)
38 Miscellaneous Chemical Products	(1,202)	(2,346)	(3,125)	(2,331)	(2,367)	(3,168)	(2,307)	(16,847)
5201 Raw Cotton, not carded/combed	9	(10)	(1,030)	(3,150)	(3,185)	(4,845)	(2,495)	(14,705)
41 Raw Hides And Skins (Other Than Furskins)	(2,265)	(2,297)	(2,617)	(3,192)	(3,259)	(3,809)	(4,855)	(22,294)
15 Animal Or Vegetable Fats And Oils And Their Cleava	(658)	(1,471)	(2,802)	(4,045)	(3,023)	(3,533)	(6,781)	(22,313)
88 Aircraft, Spacecraft, And Parts Thereof	(3,865)	(3,614)	(4,024)	(4,442)	(5,866)	(9,648)	(8,327)	(39,787)
75 Nickel And Articles Thereof	(313)	(376)	(769)	(1,051)	(1,871)	(3,064)	(8,563)	(16,008)
12 Oil Seeds (Soy Beans) & Oleaginous Fruits or Grains	(2,430)	(1,837)	(4,536)	(6,152)	(6,775)	(6,792)	(8,750)	(37,273)
47 Pulp Of Wood Or Other Fibrous Cellulosic Material;	(2,726)	(2,884)	(3,875)	(5,277)	(6,147)	(7,086)	(9,554)	(37,549)
39 Plastics And Articles Thereof	(8,564)	(9,339)	(11,052)	(14,953)	(15,549)	(15,605)	(19,266)	(94,330)
29 Organic Chemicals	(4,371)	(5,589)	(8,873)	(14,718)	(15,901)	(14,316)	(19,353)	(83,120)
74 Copper And Articles Thereof	(4,265)	(4,917)	(6,207)	(8,335)	(9,835)	(11,344)	(28,620)	(73,522)
90 Optical, Photographic, Cinematographic, Measuring,	(3,321)	(6,108)	(14,569)	(23,859)	(24,523)	(26,224)	(29,446)	(128,048)
26 Ores, Slag And Ash	(4,086)	(4,099)	(6,925)	(16,702)	(24,799)	(31,027)	(50,779)	(138,418)
27 Mineral Fuels, Mineral Oils And Products Of Their	(9,043)	(10,969)	(18,190)	(33,552)	(46,623)	(71,283)	(78,303)	(267,962)

China Customs Ministry and MBG Information Services

*2007 data are projected from yr-to-June actuals







Far more than any other country, for a generation US policy has aggressively pursued a special theory of globalization. The US variant of the theory claims that indiscriminately importing what others can produce more cheaply allows a country to concentrate on what it makes best, the sales of which will pay for imports, raising living standards for all. Chronic and massive US trade deficit and borrowing have shown that reality is far more complex than the theory assumes.

But because US policy was uniquely encouraging to imports, China's entire global trade surplus has, for many years, been derived from the US. That is, as pointed out in my earlier report to the Commission, "China's \$23 billion global surplus in merchandise trade for 2001 includes a surplus of \$83 billion with the US. Excluding the surplus with the US, China experienced a 2001 trade deficit of -\$60 billion with the rest of the world."⁵⁹ China's global manufacturing trade surplus in 2001 was \$31 billion but excluding its -\$82 billion surplus with the US, China's non-US global manufacturing trade had a -\$51 billion deficit. Indeed, China's non-US deficits worsened through 2004.

This changed beginning in 2005. By 2006, China's \$277 billion surplus in global manufacturing trade was so large that even excluding its \$230 billion surplus with the US, China had its first non-US global manufacturing surplus of \$47 billion. Based on China's reported trade balances through June, its global manufacturing surplus seems on track to reach near \$400 billion in 2007. Even excluding China's expected \$268 billion manufacturing trade surplus with the US, China's non-US manufacturing surplus seems set to reach \$130 billion in 2007. Even with China's enormous payments for imported oil, other raw materials and component parts, it's global surplus in all traded goods and its larger current accounts each look set to reach their first non-US surplus in 2007.

⁵⁹ Charles W. McMillion, "China's Very Rapid..." p. 2.

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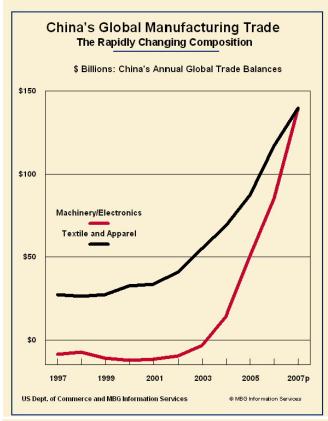
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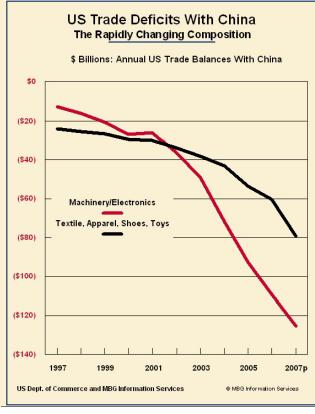
The World's Most Unequal Trading Relationship: US Trade With China Since 2002, US Payments for Imports Exceed Earnings From Exports By \$1.1 Trillion

HS Industry: US trade balance with China \$Millions	2001	2002	2003	2004	2005	2006	2007*	Total 2002-'07*
US Total Coode Trade Polences With Chips	(\$92,006)	(\$102.065)	(\$124.069)	(\$161.029)	(\$201 545)	(\$222 540)	(\$271 645)	(\$1,004,800)
US Total Goods Trade Balances With China US Manufacturing Trade Balances With China		(\$103,065) (101,167)	(\$124,000) (124,146)	(161,256)	(\$201,545) (199,622)	(\$232,549) (230,144)	(\$271,645) (267,905)	(\$1,094,809) (1,084,238)
01-24 Agricultural Foods and Tobacco	115	(224)	1,479	977	224	12	205	2,673
01-24 Agriculture, HS 5201 Cotton & HS 41 Hides/Skins	586	348	2,715	2,924	2,254	2,903	1,212	12,356
50-63 Textiles and Apparel (less 5201 Raw Cotton)	(8,017)	(9,260)	(11,635)	(14,444)	(21,824)	(25,707)	(34,118)	(116,988)
85 Electrical Machinery And Equipment And Parts There.	(16,295)	(20,463)	(24,004)	(34,115)	(46,249)	(54,728)	(68,804)	(248,363)
84 Mechanical/Computers	(9,668)	(16,119)	(25,291)	(37,612)	(46,376)	(54,562)	(56,432)	(236,390)
95 Toys, Games And Sports Equipment; Parts & Access. 94 Furniture; Bedding, Cushions Etc.; Lamps And Light	(12,186) (7,404)	(14,417) (9,844)	(16,082) (11,738)	(17,164) (14,337)	(19,074) (16,943)	(20,840) (19,234)	(30,791) (20,180)	(118,367) (92,275)
62 Articles Of Apparel And Clothing Accessories, Not	(4,126)	(4,464)	(5,485)	(6,607)	(10,220)	(11,847)	(15,375)	(53,998)
64 Footwear, Gaiters And The Like; Parts Of Such Arti	(9,710)	(10,192)	(10,527)	(11,316)	(12,679)	(13,832)	(14,476)	(73,022)
61 Articles Of Apparel And Clothing Accessories, Knit	(2,273)	(2,614)	(3,193)	(4,093)	(6,554)	(8,000)	(13,300)	(37,753)
73 Articles Of Iron Or Steel	(2,020)	(2,438)	(3,085)	(4,376)	(5,887)	(7,970)	(9,937)	(33,693)
42 Articles Of Leather; Saddlery And Harness; Travel	(3,898)	(4,465)	(5,043)	(5,699)	(6,248)	(6,823)	(7,318)	(35,595)
63 Made-Up Textile Articles Nesoi; Needlecraft Sets;	(1,201)	(1,647)	(2,353)	(3,054)	(3,954)	(4,613)	(5,147)	(20,769)
87 Vehicles, Other Than Railway Or Tramway Rolling St 39 Plastics And Articles Thereof	(1,299) (2,398)	(1,657) (2,782)	(2,035) (3,036)	(2,723) (3,398)	(3,269) (4,381)	(3,843) (4,749)	(4,281) (4,147)	(17,808) (22,493)
83 Miscellaneous Articles Of Base Metal	(963)	(1,256)	(1,415)	(1,809)	(2,243)	(2,908)	(3,327)	(12,957)
44 Wood And Articles Of Wood; Wood Charcoal	(701)	(837)	(1,020)	(1,450)	(1,847)	(2,447)	(2,599)	(10,201)
40 Rubber And Articles Thereof	(403)	(581)	(699)	(1,037)	(1,552)	(2,028)	(2,566)	(8,462)
90 Optical, Photographic, Cinematographic, Measuring,	(1,510)	(1,517)	(1,649)	(1,703)	(1,729)	(1,846)	(2,439)	(10,884)
82 Tools, Implements, Cutlery, Spoons And Forks	(941)	(1,110)	(1,373)	(1,553)	(1,775)	(1,979)	(2,287)	(10,078)
71 Natural Or Cultured Pearls, Precious Or Semiprecio 96 Miscellaneous Manufactured Articles	(803) (841)	(1,144) (913)	(1,393) (1,024)	(1,713) (1,204)	(2,065) (1,404)	(2,217) (1,565)	(2,132) (1,827)	(10,664) (7,937)
49 Printed Books, Newspapers, Pictures And Other Prin.	(378)	(510)	(653)	(1,204)	(1,130)	(1,330)	(1,782)	(6,317)
69 Ceramic Products	(864)	(1,025)	(1,112)	(1,164)	(1,317)	(1,549)	(1,676)	(7,844)
48 Paper And Paperboard; Articles Of Paper Pulp, Pape.	(306)	(403)	(612)	(804)	(1,083)	(1,398)	(1,439)	(5,740)
03 Fish And Crustaceans, Molluscs And Other Aquatic I	(446)	(566)	(722)	(705)	(743)	(987)	(1,235)	(4,957)
67 Prepared Feathers And Down And Articles Thereof	(958)	(1,047)	(1,092)	(1,109)	(1,146)	(1,202)	(1,224)	(6,819)
70 Glass And Glassware	(440)	(544)	(621)	(732)	(911)	(1,041)	(1,189)	(5,037)
68 Articles Of Stone, Plaster, Cement, Asbestos, Mica 65 Headgear And Parts Thereof	(601) (334)	(690) (479)	(712) (628)	(786) (740)	(925) (867)	(1,075) (999)	(1,167) (1,035)	(5,355) (4,747)
20 Preparations Of Vegetables, Fruit, Nuts, Or Other	(143)	(184)	(020)	(386)	(476)	(531)	(1,033)	(2,774)
91 Clocks And Watches And Parts Thereof	(603)	(623)	(682)	(759)	(695)	(687)	(683)	(4,129)
29 Organic Chemicals	(317)	(195)	17	108	(483)	(839)	(635)	(2,026)
92 Musical Instruments; Parts And Accessories Thereof	(317)	(391)	(439)	(533)	(564)	(535)	(545)	(3,008)
27 Mineral Fuels, Mineral Oils And Products Of Their	(292)	(323)	(319)	(807)	(854)	(967)	(525)	(3,796)
98 Special Classification Provisions, Nesoi	(224)	(216)	(307)	(347)	(413)	(474)	(523)	(2,281)
16 Edible Preparations Of Meat, Fish, Crustaceans, Mo 25 Salt; Sulfur; Earths And Stone; Plastering Materia	(87) (223)	(155) (167)	(233) (178)	(267) (222)	(326) (403)	(464) (681)	(469) (461)	(1,914) (2,112)
33 Essential Oils And Resinoids; Perfumery, Cosmetic	(132)	(164)	(165)	(185)	(231)	(273)	(458)	(1,476)
66 Umbrellas, Sun Umbrellas, Walking-Sticks, Seat-Sti	(234)	(218)	(264)	(295)	(331)	(347)	(397)	(1,852)
97 Works Of Art, Collectors' Pieces And Antiques	(153)	(149)	(161)	(158)	(268)	(258)	(377)	(1,370)
57 Carpets And Other Textile Floor Coverings	(214)	(253)	(277)	(283)	(299)	(338)	(356)	(1,806)
07 Edible Vegetables And Certain Roots And Tubers 72 Iron And Steel	<mark>(55)</mark> 261	<mark>(83)</mark> 251	<mark>(89)</mark> 882	(127) 51	<mark>(155)</mark> 337	(217) (376)	(346) (320)	<mark>(1,017)</mark> 825
46 Manufactures Of Straw, Esparto Or Other Plaiting M	(229)	(279)	(304)	(315)	(344)	(326)	(314)	(1,883)
58 Special Woven Fabrics; Tufted Textile Fabrics; Lac	(49)	(70)	(95)	(119)	(195)	(237)	(249)	(965)
05 Products Of Animal Origin, Nesoi	(131)	(159)	(181)	(218)	(211)	(210)	(241)	(1,219)
22 Beverages, Spirits And Vinegar	(18)	(22)	(18)	(19)	(13)	(91)	(221)	(383)
36 Explosives; Pyrotechnic Products; Matches; Pyropho	(130)	(141)	(171)	(176)	(209)	(208)	(202)	(1,106)
86 Railway Or Tramway Locomotives, Rolling Stock, Tra. 28 Inorganic Chemicals; Organic Or Inorganic Compound	(24)	(36)	(91)	(91)	(184) (297)	(137)	(185)	(724) (1,719)
93 Arms And Ammunition; Parts & Accessories Thereof	(324) (15)	(359) (32)	(337) (38)	(270) (55)	(297)	(271) (121)	(185) (149)	(1,719) (467)
60 Knitted Or Crocheted Fabrics	5	(35)	(46)	(52)	(124)	(113)	(139)	(508)
80 Tin And Articles Thereof	(82)	(48)	(50)	(90)	(77)	(80)	(117)	(461)
89 Ships, Boats And Floating Structures	(51)	(25)	(23)	(25)	(66)	(98)	(116)	(354)
54 Manmade Filaments, Including Yarns & Woven Fabri	3	11	9	(19)	(112)	(90)	(113)	(316)
76 Aluminum And Articles Thereof 09 Coffee, Tea, Mate And Spices	85 (46)	(91) (55)	(122) (68)	(230) (85)	(315) (92)	125 (89)	(103) (101)	(735) (489)
81 Base Metals Nesoi; Cermets; Articles Thereof	(40)	(33)	(40)	(83)	286	397	(101)	403
23 Residues And Waste From The Food Industries; Prepa	42	51	47	23	(17)	(76)	(91)	(64)
53 Vegetable Textile Fibers Nesoi; Yarns & Woven Fa	(16)	(21)	(28)	(55)	(46)	(63)	(90)	(303)
43 Furskins And Artificial Fur; Manufactures Thereof	(87)	(91)	(118)	(139)	(118)	(88)	(80)	(635)
19 Preparations Of Cereals, Flour, Starch Or Milk; Ba 17 Sugars And Sugar Confectionary	(22)	(28)	(34)	(39)	(52)	(69)	(79) (74)	(301)
17 Sugars And Sugar Confectionary 50 Silk, Including Yarns And Woven Fabrics Thereof	(4) (37)	(34) (35)	(29) (38)	(29) (56)	(59) (62)	(69) (75)	(74) (74)	(295) (340)
13 Lac; Gums; Resins And Other Vegetable Saps	(30)	(34)	(34)	(50)	(52)	(58)	(74)	(300)
59 Impregnated, Coated, Covered Or Laminated Textile	6	2	2	(28)	(63)	(70)	(55)	(213)
32 Tanning Or Dyeing Extracts; Tannins And Derivative	6	(19)	(26)	(55)	(82)	(60)	(43)	(285)

The World's Most Unequal Trading Relationship: US Trade With China Since 2002, US Payments for Imports Exceed Earnings From Exports By \$1.1 Trillion

HS Industry: US trade balance with China \$Millions	2001	2002	2003	2004	2005	2006	2007*	Total 2002-'07*
	2001	2002	2003	2004	2000	2000	2007	2002 01
31 Fertilizers	\$398	\$672	\$402	\$257	\$322	\$185	(\$29)	\$1,808
18 Cocoa And Cocoa Preparations	(5)	(1)	0	(14)	(32)	(35)	(28)	(110)
79 Zinc And Articles Thereof	(73)	(74)	(50)	(27)	(32)	(25)	(27)	(234)
34 Soap Etc.; Lubricating Products; Waxes, Polishing	(133)	(164)	(169)	(195)	(135)	(52)	(25)	(740)
21 Miscellaneous Edible Preparations	23	5	98	120	14	(5)	(23)	208
30 Pharmaceutical Products	(27)	(8)	(26)	(44)	(105)	(92)	(22)	(297)
45 Cork And Articles Of Cork	(1)	(2)	(5)	(8)	(11)	(17)	(22)	(65)
06 Live Trees And Other Plants; Bulbs, Roots And The	(9)	(11)	(14)	(13)	(15)	(17)	(20)	(91)
08 Edible Fruit And Nuts; Peel Of Citrus Fruit Or Mel	7	(4)	(12)	(27)	28	(2)	(19)	(36)
01 Live Animals	3	2	9	(11)	(7)	(12)	(19)	(38)
10 Cereals	21	28	13	480	80	8	(14)	595
14 Vegetable Plaiting Materials And Vegetable Product	(4)	(6)	(6)	(0)	(12)	(7)	(9)	(39)
11 Milling Industry Products; Malt; Starches; Inulin;	2	(0)	(5)	(8)	(7)	(12)	(7)	(39)
55 Manmade Staple Fibers, Including Yarns & Wovens	56	47	47	104	49	(52)	(5)	190
35 Albuminoidal Substances; Modified Starches; Glues;	35	25	36	33	1	14	(2)	107
51 Wool And Fine Or Coarse Animal Hair, Including Yar	(3)	(2)	4	(0)	(10)	(8)	(2)	(19)
78 Lead And Articles Thereof	(16)	2	12	(0)	(19)	(51)	(1)	(58)
56 Wadding, Felt And Nonwovens; Special Yarns; Twine,	(24)	(6)	(6)	(21)	(43)	15	(0)	(62)
24 Tobacco And Manufactured Tobacco Substitutes	(24)	(33)	(12)	7	(6)	51	52	60
15 Animal Or Vegetable Fats And Oils And Their Cleava	8	22	94	24	7	48	75	270
04 Dairy Produce; Birds' Eggs; Natural Honey; Edible	4	11	(10)	3	13	50	98	165
75 Nickel And Articles Thereof	17	22	26	46	74	74	120	362
37 Photographic Or Cinematographic Goods	36	72	95	(23)	(12)	67	131	329
38 Miscellaneous Chemical Products	133	135	96	257	209	266	510	1,473
02 Meat And Edible Meat Offal	66	74	134	57	188	354	655	1,462
52 Cotton, Including Yarns And Woven Fabrics Thereof	(101)	(29)	586	1,261	1,215	1,845	787	5,665
26 Ores, Slag And Ash	5	(7)	34	105	373	406	799	1,709
41 Raw Hides And Skins (Other Than Furskins)	428	427	477	526	624	831	1,006	3,891
74 Copper And Articles Thereof	140	154	435	345	545	1,026	1,772	4,277
47 Pulp Of Wood Or Other Fibrous Cellulosic Material;	329	414	605	743	990	1,471	1,968	6,192
12 Oil Seeds And Oleaginous Fruits (Soy Beans)	964	956	2,846	2,261	2,165	2,452	3,297	13,978
88 Aircraft, Spacecraft, And Parts Thereof	2,389	3,374	2,368	1,871	4,297	5,956	8,514	26,381
China Customs, Global Trade Information Services and MBG Information Services *2007 data are projected from yr-to-June actuals.								





China's manufacturing surplus is soaring not only with the US but also with the European Union (25.)⁶⁰ Although China's manufacturing surplus with the US has grown at an average annual rate of 22% since 2001 -including 16% in 2007 -- China's surplus with the EU soared by 32% per year, including by 41% for the first four months of 2007. The EU's -\$41 billion manufacturing deficit with China in 2001 soared to -\$157 billion in 2006 and could exceed -\$220 billion in 2007. This explosion in the EU's deficit with China has pushed the EU's global goods deficits from -\$77 billion in 2004 to -\$216 billion in 2006 and about the same in 2007.

That is, the US and the EU had a combined Manufacturing trade deficit with China of -\$387 billion in 2006 and this could approach -\$500 billion in 2007 -- equal to about 16.5% of China's GDP.

Clearly, surging manufacturing trade deficits with China are now an enormous problem that the US and the EU share.

Japan is different. It is the only Asian country to have a Manufacturing trade deficit with China but, according to Japan's Customs data, that deficit was only -\$19 billion in 2006 and it looks set to fall to -\$16 billion in 2007. However, this reflects dormant demand growth and a very weak economy in Japan. It certainly does not suggest that Japan has discovered successful means to cope with China's productive might.

As the trade data demonstrate, the transformation within China's manufacturing sector is as impressive as its overall growth. After many years focused on "process trade," importing and producing less of many key manufactured goods than it needed for its rapid growth, China is now a large net exporter of iron, steel and aluminum. As late as 2003, China was a net global importer of the large, key segment of modern manufacturing identified as machinery and electronics --HS 84 and 85. But in just three years, China's

⁶⁰ EU and Japan data are provided through Global Trade Information Services, Inc.

-\$3.1 billion combined deficit in the production of machinery and electronics became a 2006 surplus of \$85.6 billion. Through June 2007 this surplus was expanding by 64%, on a pace to reach \$140 billion for the year, pulling even with China's also still fast-rising surplus in textiles and apparel.

Despite pervasive misreporting in the business and other media, electronics and machinery have long been the major US import from China although this is partially offset by US exports. But since 1999, machinery and electronics have accounted for more of the US manufacturing trade deficit with China than have stereotype "labor intensive" products. In 2006, the US deficit with China for machinery and electronics was -\$109.3 billion while the deficit for textiles, apparel, toys, games and sports equipment was -\$45.5 billion. Through June 2007, the annual US deficit in machinery and electronics is set to be three-times as large as the deficit in textiles, apparel, toys, games and sports equipment, -\$125 billion to -\$32 billion, respectively.⁶¹ Since 2003, the EU has been following a similar path in the composition of its manufacturing deficits with China; in 2006 their deficits for machinery and electronics reached -\$74.5 billion while deficits for textiles, apparel, toys, games and sports equipment was -\$41.3 billion with each deficits worsening by about 25% in early 2007.

As the data tables on page 19 and 20 suggest, the rapid development of China's manufacturing sector is broad-based. Already by 2001 China had substantial global trade surpluses in both agriculture and manufacturing and in 58 of the 97 HS goods industries. By 2007, China has global surpluses in 72 of the 97 goods industries. Of the 68 manufacturing industries (HS 28-96,) China had global trade surpluses in 39 in 2001 and now has surpluses in 52.

China's bilateral trade with the US is even more one-sided. The data tables on page 23 and 24 show that the US had deficits with China in 70 of the 97 goods industries in 2001 and in 83 of the 97 in 2007. Among manufacturing industries, the US had deficits in 52 of the 68 in 2001 and deficits in 60 of 68 in 2007.

These broad manufacturing gains are the result of China's unique size and resources and its patient and sophisticated industrial policy process that has allowed it to build strong, modern supply chains with the help of the world's best TNCs. Under President Deng Xiaoping, the so-called 863 Program was adopted in 1986 dedicated to modernizing China's economy by accelerating the acquisition and development of science and technology for both commercial and military use. From targeting "pockets of excellence," China is quickly developing upstream and downstream networks of excellence, spreading throughout the economy.⁶²

Senior Chinese scientists developed science and technology goals in the late 1980s and continue to update the goals and monitor the progress for each Five Year Development Plan. The 863 Program was initially supported by nearly 30,000 scientific and technical personnel, working to advance modernization, producing about 1,500 identifiable research achievements by 1996. Most important, the Program helped identify many infrastructure, supply chain, expertise and other needs necessary to narrow the gap between China and the West.

⁶¹ HS 95, "Toys, Games, Sports Equipment and parts" includes a rapidly increasing share of video games, equipment and other products that are more like electronics than Barbie Dolls.
⁶²See the excellent introduction to the organizational structure of the Chinese Communist Party, the State and the People's Liberation Army, and the stated goals and strategies for China's acquisition of US technology in Chapter 1 of the Cox Commission report. op cit. A useful discussion of China's early targeting of "pockets of excellence" can be found in the testimony of the Deputy US Under Secretary of Defense for Technology Security Policy, "The Challenge of China," before the US-China Commission, January 17, 2002.

The US Government Accounting Office notes that to encourage modernization and new product development, China constructed 53 "Silicon Valley"-style, high-technology development zones among many other supporting mechanisms.⁶³ In late 2001 China's Ministry of Information Industry (MII) consolidated 46 research institutes and 26 manufacturers into the China Electronic Technology Corporation (CETC) with the aim of beginning to develop and produce globally competitive proprietary products within five to ten years.

TNCs have been at the core of China's pragmatic modernization drive. Successive Five-Year Development Plans have maintained an integrated set of evolving industrial policies including, since 1995, explicit measures to either "encourage, permit, restrict or ban" TNC involvement in very detailed, catalogued areas of technology and goods and services production. Since the late 1990s, these policies are designed to force foreign investors to transfer technology and expertise and help China move away from low value-added import/export "processing" of mature, last-generation products and (recently) of energy-intensive manufacturing, shifting to ever more state-of-the-art ventures in "...high-tech, modern service and high-end manufacturing sectors, research and development, and energy-efficient and environmental-friendly projects."⁶⁴

An excellent US Commerce Department study of US technology transfer to China in the late 1990s was the first to verify from interviews with business leaders that the transfer of advanced US technology had become the price of market access for high technology TNCs.⁶⁵ When the report was published in 1999, China's already rapidly improving infrastructure and the localization of top quality suppliers -- along with the long anticipated potential market of 1.3 billion consumers -- had already led to rapidly accelerating demands for technology transfer and other offsets. The DOC findings indicated that already by 1999, as a means to shorten their lag in the product cycle, China's preferred offset demand was the establishment of joint R&D centers.

China's WTO membership formally prohibits requiring offsets as a condition of investment. But, as the United States Trade Representative continues to report, China's "encouragement" can effectively become a business requirement. As Vice Premier Wu Yi recently noted, "While China still welcomes all forms of foreign investment it will open up its arms wider to investors who have advanced technologies to offer."⁶⁶

It should be noted that like almost every other member of China's current senior leadership, Wu Yi was educated in math and engineering and devoted much of her successful early career to engineering before ascending to progressively more responsible management positions

⁶³US Government Accounting Office, <u>Export Controls: Rapid Advances in China's Semiconduc-</u> tor Industry Underscore Need for Fundamental US Policy Review, (Washington, DC: GAO, 2002) p. 16.

⁶⁴ "Ministry of Commerce publishes guidelines on foreign investment for 2007," Ministry of Commerce, March 27, 2007. See also, US Department of Commerce, International Trade Administration, International Marketing Insights, "New Rules on Foreign Investment: China," March 22, 2002. A good assessment of China's powerful strategy and early success in technology modernization is US Department of Commerce, Bureau of Export Administration [renamed the Bureau of Industry and Security,] <u>US Commercial Technology Transfers to the People's Republic of China</u>, (Washington, DC: US Government Printing Office, 1999.) For targeting strategies regarding FDI, see Part I pages 26-31.

⁶⁵"Executive Summary," <u>US Commercial Technology Transfers to the People's Republic of China</u>, p. 2.
 ⁶⁶ See the section on China in the <u>2007 National Trade Estimate Report on Foreign Trade Barriers</u>, Office of the United States Trade Representative, April 2007, pp. 79-147. And "China gets picky with foreign investment," China Ministry of Commerce press release, September 8, 2006.

in large organizations, including as vice major of Beijing. China's President, Hu Jintao was also trained in math and engineering and spent much of his successful early career in related management in large-scale operations. The theme of China's current 11th-Five Year Development Plan is that it is "based on the concept of scientific development." China's leadership appears well prepared to pursue this analytical goal removed from many of the "political" considerations that are believed to affect decision-making in democratic governments.⁶⁷ Its leadership might therefore be more usefully compared to the executive committee of a very large TNC or private equity firm than to democratically elected Western politicians.

China's admission to the World Trade Organization -- with the promise of unfettered access of Chinese production to global markets -- greatly increased the pressures on virtually all the world's leading transnational firms to rapidly accelerate their production and sourcing in China. Conversely, and perhaps ironically, WTO membership greatly increased the leverage of China's leadership in playing-off each TNC against all others.

Motorola, one of the more aggressive transnationals that lobbied the US Congress for China's WTO admission, has also been the largest foreign investor in China and one of the strongest forces for localization of production and research. At Motorola's annual board meeting, held in Beijing in November 2001, Chairman and CEO Christopher Galvin announced Motorola's "three ten billion" plan for China: \$10 billion in output, \$10 billion in investments and \$10 billion in localized Chinese sourcing including an acceleration of R&D to assure stateof-the art product and process production in China. Indeed, Motorola was China's 3rd largest exporter in 2005 and 7th largest in two-way trade with exports of \$6.45 billion and imports of \$2.36 billion.⁶⁸

Ford Motor also pledged soon after China's WTO admission to raise its sourcing in China from \$1 billion per year to \$10 billion or more and accelerate R&D cooperation.⁶⁹ Many other large TNCs made similar pledges to localize advanced production, sourcing and R&D. Importantly, Japanese firms that -- unlike top US and EU TNCs -- were reluctant to source advanced operations and technology in China before 2001, began aggressively trading its current technologies and R&D for market access after 2001, adding more pressures on all TNCs.⁷⁰

Even more than the accelerating *quantity* of product and process sourcing in China, the quality of TNC operations abruptly improved. Jiang Xiaojuan, vice director of the Finance and Trade Department of the Chinese Academy of Social Sciences detailed the results of research on global firms operating in China at that time.⁷¹ Dr. Jiang and his Academy team found that in

⁶⁷ See "Who's Who in China's Leadership," China.org.cn and "Vice premier calls for better work on next Five-Year program," *Chinaview*, December 5, 2005.

⁶⁸ China's largest exporter is Hong Fu Jin Precision, a subsidiary of Foxconn, Taiwan's largest privately-held firm in 2005. "2005 Top 500 Import and Export Enterprises in China," MOFCOM press release, December 29, 2006.

⁶⁹"Motorola Chairman Announces 'Three Ten Billion' Plan for China," *ChinaOnline*, November 8, 2001. Caroline Daniel, "Fort to buy \$1bn a year in Chinese auto parts," *Financial Times*, September 18, 2002. One of the best, enduring summaries of the remarkable and united lobbying by top TNCs and past US government officials in the US on China's behalf remains John Judis, "Chinatown," *The New Republic*, March 10, 1997.

⁷⁰ See discussion in Charles McMillion, "China's Very Rapid..." op. cit. pp. 14-15.

⁷¹This research was presented to the 2002 China Business Founders Summit, sponsored by Time Magazine and the Business School of Renmin University of China. Reported in *ChinaOnline*, "Multinationals change China strategies to boost competitiveness," May 7, 2002.

1997 only 13% of foreign firms in China applied the parent company's most advanced technologies in China. By 2001 that proportion had risen to 41% and he expects it to exceed 50% in 2002 and to accelerate further. Their research found, for example, that no cars made by foreign firms in China in 1997 could be classified as having the most advanced technologies. But in 2001, 70% of car-making joint ventures in China provided high-end products. Among the 13 new types of cars rolling off Chinese production lines in 2002, the production of at least 10 types occurred at the same time as in the foreign companies' home country. Dr. Jiang found that competition accelerated so quickly and with such sophistication that foreign firms were forced to provide their very best products and technologies in order to maintain their operations and make further progress.

Dr. Jiang notes that until the late 1990s, TNCs' operations were mainly focused on low-end, labor-intensive manufactured goods. But intense competition from purely domestic firms in these products made such operations unprofitable. Most TNCs discovered by 2001 that profits in China were possible only in operations with advanced products and processes.

Because of this increased leverage, even leading Taiwanese technology firms such as Acer, Delta Electronics and Hon Hai Precision Industrial Company overcome Taiwan government prohibitions and began transferring modern product and process technologies and operations to China's mainland and even setting up joint R&D centers.⁷²

Even the relatively large price-adjusted dollar value invested in R&D centers in China can be misleading in today's tightly networked environment. R&D centers in China have quickly become part of the "global team" of their international partners. For example, the web site of GE Corporate Research & Development featured its R&D center in Shanghai soon after it was established in 2002 -- GE's third such center joining centers in Niskayuna, New York and Bangalore, India. The Director of GE's Shanghai R&D center, Dr. Xiangli Chen explained:

There are several factors that make us unique: we are multi-disciplined and we are integrated with the global R&D team. What does that mean? You might be a physicist in China who works closely with a structural engineer in Bangalore, India or Niskayuna, USA. Our curiosity and fascination with technology draws us together, and we are driven to push its boundaries.

Indeed, being an integral member of a large, global team is one the key advantages that TNCs have in recruiting and retaining top technical talent in China. Most R&D centers are joint operations with Chinese government controlled universities or other enterprises or they are at least dedicated to working in co-production ventures with Chinese government controlled firms. For example, no joint venture partner was announced for GE's first R&D center, but the announcement of its establishment coincided with GE Aircraft Engines' efforts to convince the China Aviation Industry Corp. I (AVIC I) to integrate GE's CF34 engines with AVIC I's ARJ21 feeder-line planes that are now in research and development by AVIC I. On February 20, 2002 GE announcement in China that "We hope to team up with Chinese aviation firms to develop new products." GE announced the creation of its new R&D center one week later. Indeed, GE and AVIC I *have* teamed-up to produce major new products including a recent agreement to co-produce engines at AVIC I facilities in China for China's first "homegrown" commercial regional aircraft, the ARJ21-700.⁷³

⁷²EE Times, "Taiwan component makers set up R&D in China," April 8, 2002.
 ⁷³ChinaOnline, "GE eyes China's feeder-line market," February 21, 2002. See also, CCTV.com

<u>Aerospace</u>: The ARJ21 is AVIC I's 70-110 seat commercial turbofan jet now in final production. A maiden flight is scheduled for March 2008, with the plane due to go into mass production early in 2009 with deliveries to begin later that year. AVIC I already has received 71 orders for the new jet from Chinese airlines and is beginning a hard sell campaign throughout Asia. The engine and avionics of the ARJ21 were imported, although future engines will be co-produced with GE in China. All the other parts were designed and produced in China by AVIC I including, for the first time, the wings -- the largest and most complicated part.⁷⁴

Bombardier of Canada, which is itself considering building part of its next line of aircraft in China, estimates that China would need 1,660 regional aircraft similar to the ARJ-21 over the next 20 years. Chinese authorities estimate that the ARJ-21 could take 60% of this domestic market. Such scale would have a significant impact on other markets for regional jets and there is every reason to believe this ambitious goal can be achieved. AVIC I recently assured a large core demand for the ARJ-21 by forming a joint venture with state-owned China Eastern Airlines, creating a regional airline based in western China. The airline will start operations in early 2008 with AVIC I's earlier, smaller MA60 aircraft and expects quickly to grow to 100 planes when the ARJ-21 becomes available. State-owned Air China, the world's largest carrier by market value, recently bought 10% of China Eastern shares. China's centralized, state-run aircraft purchasing and its authority over allocation for all the highly sought-after air routes for Chinese and TNC commercial airlines and cargo companies also affects aircraft purchasing decisions.⁷⁵

Earlier this year, China became only the fourth country to disclose the successful development and deployment of its own advanced fighter jet. AVIC I's Jian-10, China's third generation fighter jet, uses almost entirely its own proprietary technology including fourth generation air-to-air missiles and a third generation Taihang turbofan engine -- now largely substituted with a Russian-built Russian AL-31FN engine.⁷⁶

China's aviation industry is already large and fairly mature. As of early 2006, China's aviation industry reported having produced 16, 000 military airplanes, nearly 60,000 engines and 20,000 missile for its armed forces. China is now one of the very few countries that is capable, largely independently, to develop and produce international-level fighters, bombers, pilotless aircraft, aerial refueling tankers, helicopters, new-type spacecraft and engines, air-to-air missile and other aeronautic equipment. China claims that "More than 90 percent of aeronautic equipment for Chinese army are developed independently, sources from China's two major aviation industry corporations said, according to Xinhua report."⁷⁷

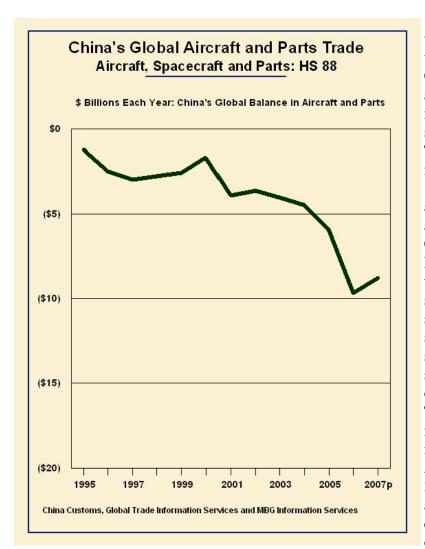
This success, the enormous scale of the potential market, and the enormous power of China's sovereign wealth fund to simply buy or buy-into successful operations -- or their competitors -- adds pressure on all non-Chinese producers. All major producers of aircraft and component parts now have significant and rapidly accelerating modern sourcing and R&D operations in China. Boeing and Airbus are particularly eager to stave-off, or to join, China's effort to develop its own large, two aisle commercial jet over the next 15 years. This explains

"GE to build international R&D Center in Shanghai, February 28, 2002. "AVIC I, GE to co-produce engines for regional jets," *China Daily*, September 10, 2007.

⁷⁴ "China's own regional jet may have first foreign order," *China Daily*, September 21, 2007. "Jet set for test flights next March," *People's Daily*, March 8, 2007.

⁷⁵ Raphael Minder, "New plants in China vital for sales, says Airbus," *Financial Times*, September 5 2007. "Plane maker, airline float new carrier," *China Daily*, September 20, 2007.

⁷⁶ "China becomes world's 4th nation to develop advanced fighter planes," *China Daily*, 1-5-07.
 ⁷⁷ "90% of military aeronautic equipment developed independently," *China Daily*, 4-18-06.



why despite more than a decade of very strong demand growth, China's global trade deficit for aircraft and component parts was never more than -\$6 billion until spiking to -\$9.6 billion in 2006. Through August 2007, that deficit is again being reduced.

Late in 2004, Airbus announced formation of an aircraft-engineering center in China, its first R&D center outside Europe and the Untied States. At the same time Airbus signed solesourcing contracts with AVIC I subsidiaries and announced that sourcing in China would rise sharply for new aircraft with the stated hope of increasing its share of China's civilian aircraft market. The R&D center opened in Beijing in July 2005 and in October 2006 it became a joint-venture with AVIC I and II formally taking a 30% interest in the financial risks and rewards. Days later, China's centralized, state-owned purchaser of civilian aircraft, the China

Aviation Supplies Import & Export Group Corp., CASGC, announced a "framework agreement" to purchase of 170 Airbus planes.⁷⁸

Late in 2006, Airbus and AVIC I and II announced a joint "risk sharing" venture to create an Airbus assembly, flight testing and servicing operation in a new 2,300 sq-km economic zone near Tianjin. This is only Airbus' third assembly facility and first outside Europe. The massive operation requires first-tier contractors to transfer component parts and services production to China as compensation for the "shared risk," along with supporting technology and R&D. As industry experts David Pritchard and Alan MacPherson have pointed out, "There is no doubt that suppliers are expected to transfer technology to their Chinese outsourcing partner or offshore facility that will be utilized for China's mission to develop its own large commercial aircraft (twin-aisle)."⁷⁹ Airbus formally owns 51% of the venture which broke ground on May

⁷⁸ "Airbus announces first R&D center outside Europe and US," *Chinaonline*, 11-2-2004. In fact Airbus and AVIC I signed a technology "cooperation" agreement in 1999 that allowed Chinese engineers to participate in the R&D for the Airbus' A318. Clearly the trade-off was technology for sales. "China to buy 170 Airbus planes," *People's Daily*, 10-26-2006. "China to continue to do 5% of Airbus' outsourcing business for A350 planes," *China Daily*, 3-9-2007.

⁷⁹ David Pritchard and Alan MacPherson, "Strategic Destruction of the North American and European Commercial Aircraft Industry: Implications of the System Integration Business

15, 2007. A few weeks later, CASGC signed an order for 86 of the Airbus A320s that will be assembled and tested in Tianjin.⁸⁰

But even this accelerating counter-trade of technology for orders has been transformed by Boeing's new model that Pritchard and MacPherson accurately describe as the "strategic destruction of the North American and European Commercial Aircraft Industry." Boeing's aggressive new model of outsourced "risk sharing" outsources even core technologies -- like wings -- and relies almost totally on presumed superior systems integration. That is, despite billions of dollars of federal and state subsidies, Boeing has outsourced over 90% of the design and production for its new 787. "For the first time in US commercial aviation history, foreign risk-sharing partners will have full control over the selection of second-and-third-tier suppliers... Boeing's partners in Japan and Italy will be building composite structures that include sophisticated sub-systems that are already certified, tested and ready for final assembly." AVIC I has the sole-source contract for horizontal stabilizers and other vital equipment.⁸¹

Boeing's new model does lower immediate costs which, like a "going out of business sale," does give Boeing some short-term benefits and forces Airbus to pursue similar practices. But, it fundamentally undermines core technologies and competencies and the invaluable supply-chain within the US and Europe while rapidly moving these to other parts of the world -- most particularly to China. As the low cost producer and most rapidly growing market, China has the money, the people and the desire rapidly to become a very significant force even in the sophisticated market for large commercial jets and their key components.

As with the aircraft industry, China's space industry also demonstrates rapid success and the effects of China's own science and engineering along with managed foreign investment focused on technology acquisition. China was only the third country to develop reconnaissance (so-called "spy") satellites a generation ago (after the US and the Soviet Union) and became the third country to successfully execute a manned space mission on October 15, 2003. A second, longer manned mission was successfully completed in 2005 and a third is planned for early 2008, possibly to include space walks by two astronauts. A lunar orbiter is set to be launched later this year with work well underway on a lunar rover and a hoped-for moon landing by 2012. China plans a joint mission with Russia to Mars in 2009. China's Long March series of rockets has now successfully launched 100 various types of communications, navigation and other types of commercial and military satellites. Work is well underway on a new series of rockets to increase the payload capacity to 25 tons from the current 9.5 tons.⁸²

China's space program has had its share of setbacks, such as the failure of its SinoSat-2 communications satellite in October 2006, but has made remarkably rapid progress. Indeed, China's successful shoot-down of one of its own satellites early this year rattled the comfortable denials of many who ignore its many scientific achievements and raises important questions

Model," <u>Canada-United States Trade Center: Occasional Paper #35</u>, January, 2007 p. 11. ⁸⁰ "Construction to start on Airbus A320 China assembly line," *China Daily*, May 15, 2007 and "Orders for 86 A320 aircraft confirmed," *China Daily*, June 29, 2006.

⁸¹ Pritchard and MacPherson, op cit, page 5. and "\$300mln; a big order is signed in aviation industry," *China Daily*, August 10, 2007.

⁸² An important description of China's use of partial access to its market as leverage for offsets, see <u>Status Report of the Presidential Commission on Offsets in International Trade</u>

(Washington, DC: GPO, 2001) p. 64. "China's 1st lunar probe to be launched in latter 2007," *ChinaView*, May 20, 2007. "China to increase payload capacity of carrier rockets for lunar exploration," *China Daily*, June 18, 2007.

about conflicts of interest in TNCs charged with protecting vital US military satellites.⁸³ Although China scientists and engineers participates in "cooperative" international ventures when it helps them gain needed expertise, policy statements by China's leadership constantly reiterate the determination that China develop and control its own independent technology.

The vital importance of aerospace is well understood in China. As Sun Laiyan, chief of the China National Space Administration recently explained: "Space technology reflects a nation's overall power and is an important facet of the modernization of national defense," he said. Sun said China is able to research, produce and shoot ground-to-ground, air defense and coastal defense missiles, and its strategic nuclear deterrent is a key component of China's national defense.

"As late Chinese leader Deng Xiaoping pointed out, if China had no atomic bombs or hydrogen bombs and had not launched its first satellite since the 1960s, China could not be called an influential country and would not enjoy the same international status," he said. Modern war relies heavily on information and high-tech, supported by space technologies, Sun said, citing the war in Afghanistan and Iraq where most intelligence gathering, military communications, navigation, positioning and weather reporting activities carried out for American troops have been conducted via satellites.⁸⁴

<u>Automotive:</u> Directly accounting for 3.7% of GDP, the automotive industry is central to China's industrial growth and by some measures it is the key driver. China auto output tripled since 2001, overtaking Germany in 2006 to become the world's third largest producer after only the US and Japan, and passed Japan in auto sales to become the world's second largest market after only the US. While auto and parts makers in the US and elsewhere struggle with production and sales stagnation auto production and sales have each grown by 46% per year from 2002 to 2006 and are now rising by 28%, with production set to reach near nine million in 2007.

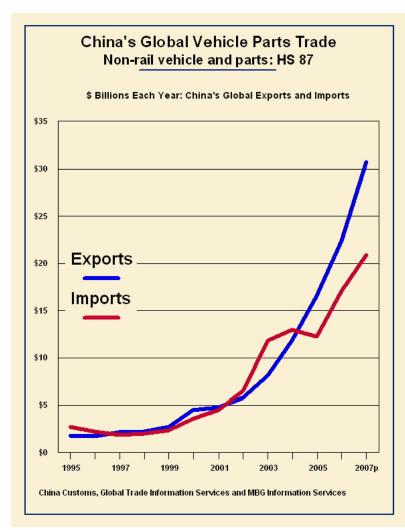
China became a net exporter of new vehicles for the first time in 2005. Although still cautious and small-scale entering new markets, and with new restraints by China's authorities to force industry consolidation and to control quality, auto exports from China are up 70% in 2007, expected to reach 500,000 units to a total of 177 countries. Half of the mostly very small companies that exported autos in 2006 were denied export licenses for 2007, forcing hundreds of them out of business or to be acquired. It is also important to note that China's current exports represent less than 1% of the global market but that the 11th 5-Year Plan targeting auto exports to soar, capture 10% of the global market by 2010.⁸⁵

Six year ago, poor supply-chain quality and limited availability was a key weakness and expense for China's auto sector. This has changed dramatically with the major TNC producers' increased outsourcing to China, "encouraging" their best parts suppliers to move production to China, and sharp increases in the scale and quality of China's own parts producers. Of the world's top 100 auto parts suppliers, 70% have a presence in China. Policy guidance is driving a major consolidation effort but there are currently about 1,200 foreign-funded or jointly-invested parts manufacturers in China holding 50% the market. Among them are brands such as Delphi,

⁸⁴ "China's 1st lunar probe to be launched in latter 2007," *ChinaView*, May 20, 2007.

⁸⁵ "China 2006-2010 five-year plan calls for 40% p.a. automotive production growth," *South China Post*, 5-8-06. "China denies export licenses to hundreds of auto exporters," 3-8-07.

⁸³ Joseph Kahn, "China Confirms Test of Anti-Satellite Weapon," *New York Times*, January 23, 2007. See for example, "Boeing offers jamming protection to satellite customers," *China Daily*, February 27, 2007.



Bosch, Visteon and Wanxiang, China's largest maker of auto parts. There are about 5,000 large domestic spare parts manufacturers.⁸⁶

Because of this, and high protective tariffs, auto parts production in China has grown even faster than has unit auto production with growth potential accelerating as efficiency and quality improves and prices decline by an average of -7% per year since 2002. A senior purchasing executive at Ford headquarters recently noted: "For the last five years, we've seen continuous improvement" in quality at Chinese parts makers. Ford's Chinese suppliers, he says, "are equal to those anywhere in the world."⁸⁷

China auto parts industry is focused on import substitution in the fast-rising original equipment manufacturer (OEM) market. China's Association of Automobile Manufacturers set a target for the auto parts sector to increase gross sales to 1.2 Trillion yuan (\$154

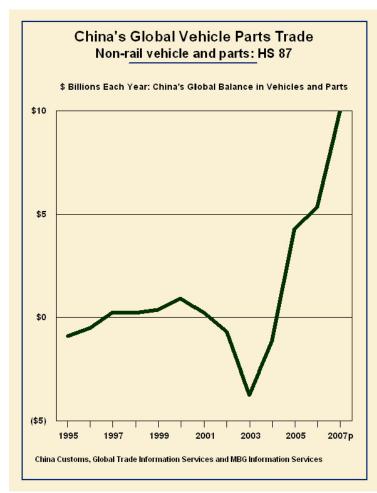
billion) by 2010 with over 50% associated with OEMs, 15% to the replacement after-market and the rest to export. China passed Germany in 2006 to become the second largest exporter of auto parts to the US, after Japan. Worldwide parts exports from China are up 32% in 2007 and may reach \$14 billion for the year but, with strong and diverse government backing, export growth is expected to accelerate rapidly to reach \$55 billion in exports by 2010. China's first, government supported, annual International Auto Parts Expo will be held in Beijing beginning on November 29, 2007.⁸⁸

If present trends continue, China could exceed the 12 million autos annually produced in Japan and the US to become the world's largest auto producer by 2009; almost certainly by 2010. Over the next five years, by 2012, China seems destined to become the overwhelmingly dominant producer and consumer of automobiles and light trucks. This rapidly increasing and

⁸⁶ "China's Emerging Car Industry," *Business Week*, April 12, 2007.

⁸⁷ Gordon Fairclough, "Chinese Auto-Parts Companies See Open Road at Home, Abroad," *The Wall Street Journal*, May 25, 2007. Gordon Fairclough, "China's Car-Price Wars Dent Profits," *Wall Street Journal*, September 8, 2007.

⁸⁸ "China outlines five-year program for auto parts," *China Daily*, January 29, 2007. "1st China International Auto Part Expo to be held in Beijing," MOFCOM press release, May 8, 2007.



massive scale of China's production and sales seems almost certain to have profound effects on auto producers -and the overall economy -- in the US and worldwide.⁸⁹

GM auto sales declined worldwide in 2006, particularly in North America where it is losing money, but sales of GM brands in China soared by 31.8%, increasing profits and its leading share to 11.8% of the fast-growing Chinese market. GM brands outpaced VW for the first time in 2005 to become China's top selling auto brand. GM's reported vital earning of \$306 million from its China operations in 2006, about the same as in 2005. Rich Wagoner, GM's president has referred to the "great gold rush" of automakers accelerating production in China since 2002. GM China's president and managing director Kevin Wale notes that GM is increasing investment in China by over \$1 billion in each of the next three years to maintain doubledigit growth and, of course, to prevent

ceding market to rivals. Analysts such as Matthew Slaughter argue that production and sales in China hold the key to GM's renaissance.⁹⁰

Ford, in even deeper troubles worldwide and in North America, enjoyed a surge of 86.6% in sales of its branded autos in China in 2006 before opening its second auto plant in China in September 2007. Ford's China president Cheng Meiwei has indicated that China would account for 50% of Ford's global market growth in coming years and that Ford considered China to be an important base for supply, research and development. Toyota reports that its brands increased by 68.0% in 2006, Volkswagon -- China's second leading brand -- reported an increase of 24.3% and BMW sales grew by 51.3%. Other foreign producers report similar strong results.⁹¹

But in China there is a very important distinction between brand and producer; no US, EU or Japanese auto producer has majority control of any production facility in China for local sales. That is, every auto producer in China is Chinese majority owned -- almost all by local,

⁸⁹ "China Would Become the World's Largest Automobile Producer by 2010," MOFCOM, quoting *Japanese Economic News*, July 16, 2007. "China expected to produce 8.5m autos in 2007," *China Daily*, September 22, 2007. "70% of Chinese auto exports go to Asia and Europe," *People's Daily*, August 14, 2007.

⁹⁰ Eric Baculinao, "Big Three place bets on China: Big Three poised to cash in on world's hottest car market, *NBC News*, January 12, 2007. Matthew J. Slaughter, "Let's Have a Real Debate on Globalization," *Wall Street Journal*," September 26, 2007.

⁹¹ "Sales of foreign auto giants soar in China in 2006," China Daily, January 17, 2007.

state-controlled enterprises.⁹² As a means of gaining access to world-class expertise and technology, China began allowing TNC investments to take up to just under a 50% stake in auto joint ventures in 1981 and frequently fine-tunes its guidelines to maximize benefits for its own, stateowned auto producers. The vital fact of TNC minority status is rarely mentioned in the US and thus is widely unknown. Indeed, even the Chinese media often obscure this fact by frequent reference to "foreign-invested" firms. "Foreign-invested" means only that foreign interests have some level of financial participation in the firm, usually but not always at least 10% -- in a country where the rights of minority shareholders are famously nonexistent.⁹³

GM's majority partner in China is government owned Shanghai Automotive Industrial Corporation (SAIC,) the country's largest with total 2006 auto production of 1.6 million units. SAIC has majority control of GM's two joint ventures (one also includes participation by Wuling Motors,) producing Buicks, Chevrolets, Cadillacs and other models including the Wuling mini-van. SAIC also has majority control of one of Volkswagon's two ventures in China. SAIC also acquired all of the intellectual property for the Rover 75 from now-bankrupt UK auto giant MG-Rover. In late 2006, SAIC's independent operations, separate from its joint ventures with GM or Volkswagon, but using the expertise -- and many of the same engineers -- from two decades of top-level TNC collaboration, introduced its first own-branded, highly regarded sedan, the Roewe 750. GM and SAIC are currently locked in a heated battle over the scope of independent work in their now decade-old R&D partnership, the Pan Asia Technical Automotive Center (PATAC) and its relationship to SAIC's own, independent R&D operation, the Automotive Engineering Academy of SAIC.⁹⁴

SAIC is developing its new "global Chinese brand" methodically, planning to introduce a new model every year for the next five years, building a range of cars from subcompacts to SUVs while ramping up production. Also, with the strong urging of China's MOFCOM, earlier this year SAIC signed a memorandum of understanding with China's oldest auto maker, the state-owned Nanjing Automobile. This MOU is expected to result either in an acquisition by SAIC or very close collaboration on own-branded vehicles. Nanjing Automobile acquired the bankrupt MG-Rover and is attempting to revive the MG sports car brand as its own. Nanjing Auto is again producing the MG in Birmingham England and at its headquarters in Nanjing.⁹⁵

China's second largest auto producer, government owned First Auto Works (FAW) also controls a joint venture with Volkswagon and other joint ventures with Toyota and Mazda. Ford's join ventures are majority controlled by state-owned Chongqing Changan Automobile Company which also owns joint ventures with Suzuki Motor Corporation. Nissan, Honda, and

⁹² Honda produces the "Jazz" in Guangzhou's export zone exclusively for export to Europe and Southeast Asia, controlling 65% of the operation with partners Dongfeng Motor and Guangzhou Auto Group. There are a few, mostly very small auto companies privately Chinese owned, with the one large exception, Geely. See, "You drive a what?" *Business Week*, January 6, 2006.

⁹³ See for example of ignoring minority status, Rebecca Blumenstein, "Ford Opens 2nd Chinese Assembly Plant," *Washington Post*, September 25, 2007. For a summary of the auto sector goals in the 10th 5-Yr Plan for 2000-2005 see, "China auto industry wants more mileage out of foreign investment," *ChinaOnline*, June 9, 2000.

⁹⁴ "SAIC Wants More Rights In China R&D, But GM Thinks Differently," *Theautochannel.com*, August 21, 2007.

⁹⁵ Gordon Fairclough, "GM's Chinese Partner Looms as a New Rival," *TheWall Street Journal*, April 20, 2007. Mure Dickie, "Chinese carmakers moot merger," *Financial Times*, July 30, 2007. "Nanjing Auto plans to ship MG 7 in bid to revive brand," *Shanghai Daily*, June 25, 2007. Peugeot are produced in joint ventures controlled by state owned Dongfeng Motor Corporation. BMW's are made in a joint venture controlled by state owned Brilliance Auto Company and Daimler vehicles are produced in a joint venture controlled by state owned Beijing Automotive Industry Holding Company, BAIC. Each of these large, well-experienced, deep-pocketed and technically sophisticated state owned, majority partners to the world's top TNC auto makers now have separate, independent operations developing their own branded range of world-class vehicles. China's ten largest auto-makers now account for 83% of production with domestic brands surging to capture 30% of all vehicles, 41.5% of all passenger car sales in 2006.⁹⁶

Total profits for China's automakers rose 65.8% in the first half of 2007 to 30.2 billion yuan, \$3.98 billion, on a 26.6% jump in revenues to 486.4 billion yuan. China's top three producers each had revenues of over 80 billion yuan (\$10.5 billion) in the first six months of the year. All are making very substantial investments to develop their own independent brands.⁹⁷

Currently, China's largest own-brand automobile company -- and seventh largest producer -- is state-owned Chery, an upstart that produced almost no cars before 2001. Chery now has an annual production capacity of 650,000 cars with seven foreign abroad and plans for seven more within three years. Chery provides Fiat with 100,000 engines per year and has controlling interest in a new joint venture with Fiat that is building capacity for 175,000 more units of Chery's own brand together with Fiats and Alfa Romeos. It also has majority control over another new joint venture with Chrysler to build a 150,000 small cars per year, upgrading a current Chery model but with Chrysler brands for export to the EU and, for the first time in China, to the US. The agreement transfers state-of-the-art product and process technology to Chery along with new expertise in every aspect of the auto industry, from design and engineering to logistics, finance and marketing. It also allows Chery access to Chrysler distribution network for its own branded models.⁹⁸

Soon after being admitted to the WTO, China's rapid success in gaining *access* to worldclass automotive technology through joint-ventures, led its authorities to seek technology *ownership*. In April 2003, China's authorities proposed a draft auto policy that required 50% of all vehicles sold in China by 2010 be produced by Chinese companies with full ownership of the intellectual property rights. This policy was not adopted but rather industrial policies were put in place in June 2004 to begin consolidation of China's more than 100 automakers into a dozen groups. These large auto groups are now required to develop their own brands and design their own cars and engines by the end of 2010.⁹⁹ Rather than mandating ownership of intellectual

⁹⁶ There have been many large problems along the way in China's drive to develop and brand their own vehicles. Recently, Brilliance Auto was humiliated by an unsafe rating in a German collision test. But the immediate response with major engineering improvements and a public relations offensive that left industry observers impressed. Gail Edmonson, "China's Brilliance: Back from Disaster? BMW's Chinese partner, aiming to compete in Europe and the US, could rebound from devastating safety tests faster than anyone expects," *Business Week*, 9-14-07. "China becomes 2nd largest market for new cars," *Chinaview*, January 11, 2007. "China's auto output, sales soar in 1st half of 2007," *China Daily*, July 11, 2007

⁹⁷ "Chinese automakers report 60% rise in first-half profits," *China Daily*, August 20, 2007. ⁹⁸ "Chery to boost foreign plants," *China Daily*, August 23, 2007. Rich Blanchard, "Chery-Chrysler deal to get OK," *Detroit News*, July 3, 2007.

⁹⁹ Jane Lanhee Lee, "China Seeks Formation Of Large Auto Groups," *The Wall Street Journal*, May 27, 2004. Makiko Kitamura, "Horiba, Essential to Toyota, Plans Growth in China," *Bloomberg*, April 6, 2007.

property, since 2004 China requires that each new auto production facility be accompanied by a new or expanded R&D center.¹⁰⁰

The auto industry is an especially important example of China's successful industrial policies, of the evolving nature of TNCs' joint venture operations in China, and to anticipate developments over the next few years. Analysts who believed that China's industrial policies would hinder its development while "free" trade policies in the US would reinvigorate the US economy were wrong. The global US trade deficit -- production shortfall -- for autos/trucks and parts reached a new record -\$144.7 billion in 2006 with \$2.33 in imports for each \$1.00 of exports. Leading auto TNCs entered into minority joint ventures with China's inefficient, state-owned firms confident their vastly superior technological, managerial and financial expertise would control the venture while gaining in-country experience to soon allow them independently to dominate the China market. However, today, it is China's major state-owned auto firms that have prospered while the TNCs face difficult times. And China's highly profitable auto firms are only now beginning to tap bond and equity markets. There can be little doubt but that China's auto makers are now the overwhelmingly dominant partner in each joint venture with each minority partner TNC now pressed to demonstrate their ongoing value to the venture.

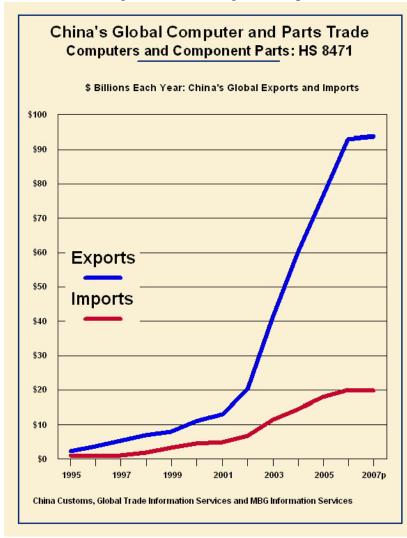
Similar, rapid changes are occurring throughout China's economy in joint ventures between large, state-owned enterprises and major TNCs. Perhaps the most important appears to be within banking and financial services where TNCs are limited to 20% participation in existing operations and 33% even when they help establish new ventures. Nonetheless, the world's major financial institutions have been quite eager to take small minority stakes in recent years. As in the auto sector, major financial TNCs expected to use minority footholds to gain experience and to enter a lucrative market. However, they now find they have created increasingly powerful state-owned competitors and continue to be largely excluded from -- or consigned to a support role in -- China's booming equities market and other activities. Financial TNCs are currently reporting significant earnings on their minority Chinese operations but only as a reflection of the far greater earnings of their controlling Chinese partners. This is a very important area that urgently needs the attention of policy makers. As with the auto market, China's leadership has set its sights on creating the world's largest capital markets and assuring that market -- and perhaps world markets -- is dominated by Chinese firms.¹⁰¹

Increasingly, major TNCs are trapped between relentless global markets and China's powerful industrial policies, offering the choice only in the pace of the TNCs' lost dominance.

¹⁰⁰"Sales of foreign auto giants soar in China in 2006," Ministry of Commerce, January 17, 2007. The R&D requirement in 2004 was a concession by the Chinese from draft proposals to require that Chinese companies own the technology in 50% of cars sold by 2010. This could well still be the goal but it is pursued by less overt means: "Threat of technology rip-off won't slow GM in China; Automaker stays in hot market despite possible patent loss," *Automotive News*, David Sedgwick, June 16, 2003. The new policy "China issues new auto rules," is on the website of The Embassy of the Peoples' Republic of China in the United States of America, March 6, 2004. ¹⁰¹ Geoff Dyer in Shanghai and Sundeep Tucker, "China to ease securities tie-up rules," *Financial Times*, September 23, 2007. Even when firms manage to gain access, as Goldman Sachs has done, they now face increased risk of their stars joining domestic firms or starting their own operation. See Sundeep Tucker and Jamil Anderlini, "Goldman's China rainmaker goes solo," *Financial Times*, September 18, 2007. "Chinese capital market to become world's best market," *Chinanews*, March 1, 2007. "Central bank urges State-owned commercial bank reform," *China Daily*, August 28, 2007.

China's Advanced Technologies Trade:

According to the National Development and Reform Commission, in 2006, the total revenue from China's high tech industry exceeded 5.3 trillion yuan, \$706 billion, with its added-value contributing 8% of GDP. High tech exports stood at \$281.5 billion in 2006, more than four



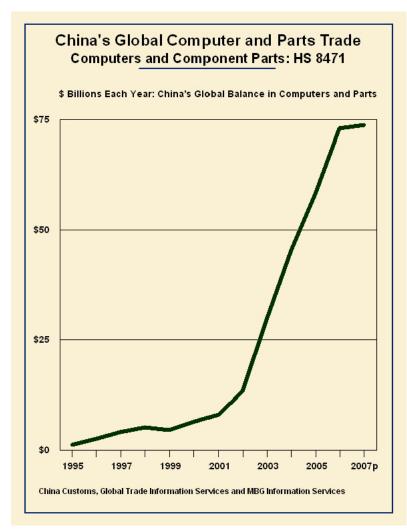
times its total in 2002, and almost one-third of China's total export earnings. The Commission estimates that high tech revenues will reach 6.3 trillion yuan in 2007 with \$350 billion in exports. For computers and computer parts, *despite double-digit growth in domestic demand*, China's global ratio of exports to imports soared from 2.4-to-1 in 2000 to 4.7-to-1 in 2006 and 2007.¹⁰²

China's modernization efforts began focusing on the production of computers and other advanced technology products with its Eighth 5-Year Development plan that started in 1990. By 1995 China's slight computer production had grown rapidly, equal to that of Thailand. In 2000, China's computer production had surpassing that of all European countries and trailing only the US, Japan and Singapore.¹⁰³ Despite constant complaints about the lack of intellectual property rights enforcement, I forecast in 2002

that China's computer production would soon surpassed that of Japan and could even surpass the US in 2005 or 2006. In fact, with little progress toward IPR protections, China surpassed US computer production in 2004 and has since soared to dominate the world's computer market.¹⁰⁴

 ¹⁰² "China welcomes foreign investment in hi-tech industry," *China Daily*, September 27, 2007.
 ¹⁰³ Kenneth L. Kraemer and Jason Dedrick, <u>Asia's Computer Challenge: Threat or Opportunity</u> for the United States and the World? (New York: Oxford University Press, 1998) and <u>Enter the</u> <u>Dragon: China's Computer Industry</u> (Irvine, CA: Center for Research on Information Technologies and Organizations, 2002.), p. 33.

¹⁰⁴ McMillion, "China's Very Rapid..." p. 1; I again rely heavily on the careful research on the global computer industry by Jason Dedrick and Kenneth L. Kraemer. See their recent "Is Production Pulling Knowledge Work to China? A Study of the Notebook PC Industry," in *Computer*; published by the IEEE Computer Society, July 2006; pp. 36-42.



The purchase of IBM's personal computer division by state-controlled Lenovo for \$1.75 billion in December 2004 signaled an important new phase in China's commercial and technological advancement. Although Lenovo's acquisition included rights to use the famous IBM name, it was immediately discarded as Lenovo sought to quickly establish its own brand. It was a major sponsor of the Winter Olympics in Turin Italy in December 2006 and will be an even larger presence in the 2008 Beijing Olympics.¹⁰⁵

Lenovo received much criticism before and after the IBM purchase but its share of China's market grew from 27% when it acquired IBM to 36% now. After a period of adjustment, Lenovo report 13% revenue growth in FY2007 and sharply rebounding profits of \$161 million.¹⁰⁶ It's global market share rose to 8.3% in 2007-Q1 from 7.6% in 2006-QIV.¹⁰⁷

The world's other leading computer makers, Dell, Hewlett Packard and Acer, are also accelerating their investments in China, helping to attract the world's largest concentration of information technology hardware production. IT producers are concentrated within three coastal regions of the Yangtze River Delta, the Pearl River Delta and Bohai Bay, accounts for more than 80% of China's industry total and creating a powerful magnet for producers of upstream and downstream goods and services. Over the past five years, this clustering has created a uniquely strong and dynamic supply chain of virtually all of the world's leading TNCs and Chinese firms of rapidly increasing quality.

Although China is the world's largest producer of semiconductors, this is the one key component of IT where TNC producers continue to dominate. This is a matter of considerable concern to China's authorities who worry about the security of data when using foreign-made semiconductors and, as with all other foreign-patented products, they resent the payment of high prices or royalty fees. Price and fee negotiations between Chinese authorities and foreign

¹⁰⁵ Lenovo changed its name from Legend in early 2004. Glenn Rifkin and Jenna Smith, "Quickly Erasing 'I' and 'B' and 'M'," *New York Times*, April 12, 2006.

¹⁰⁶ Tom Mitchellin, "Lenovo's results confirm turnround success," *Financial Times*, 8-3-07.

¹⁰⁷ Charles Hutzler, "Computer Maker's Woes Reflect the Heat Felt By China Manufacturers," *Wall Street Journal*, June 28, 2004. "Lenovo Expects To Sustain Pft Growth, Focus On 4Areas," *Dow Jones Newswire*, 8-23-07.

producers of semiconductors and other patented products is a key area needing more research. But security concerns -- fear of hidden "back doors" -- in semiconductors, software and other technology products assures that China, like the US, will focus very major attention on the development of independent technologies.

The accelerating concentration of producers that incorporate semiconductors in their products now in China puts increasing pressure on the IC industry to locate in China for proximity to its customers. This gives China's authorities ever-greater leverage on TNCs in demanding more modern product and process technologies and other concessions. All of the major chip producers have operations in China and most are expanding aggressively as are China's own domestic firms. AMD's expansion of production and sales has been particularly impressive, raising its share of microprocessor sales in China from inconsequential in 2002 to 25% of the total market and near 50% of the retail market.¹⁰⁸

Another source of competitive pressures is that China's Institute for Computer Technology developed China's first own-technology central processing unit, the Loongson or "Dragon Chip" in 2002. The latest form of this chip, said to have approximately the capabilities of an Intel Pentium IV, is about to go into mass production by STMicroelectronics, one of the worlds largest semiconductor manufacturers. ST bought the production and marketing rights for 30 billion yuan earlier this year and will pay royalties to the Institute for each CPU sold as the Institute works to develop its next generation product.¹⁰⁹ At the same time, Beijing University's Micro-Processor Research and Development Center recently announced a breakthrough in the basic X86 semiconductor design technology used in most personal computers. The University's technology companies hope to begin producing ultra mobile computers using the new processor as early as 2008.¹¹⁰

Intel recently bent to the combined pressures and appeals of China's IT supply chain and other considerations. Construction is now underway for Intel's first 300-mm wafer fabrication facility in Asia. The \$2.5 billion plant, named Fab 68, is located in a new technology zone just north of Dalian, a fast-growing northeastern port city outside the main IT production centers and without abundant water supplies. (Dalian was, however, the site of the "Summer Davos" in September 2007; the first of what is now scheduled to be an annual gathering of the world's business leaders.) Most IC production and support is now in Pudong New Area in Shanghai but China's 11th Five-Year plan provides policies to disperse technology and industrial activities to other regions. The Intel facility will be 100% Intel controlled and will not include production of Intel's core microprocessor. Nonetheless, it represents a major import substitution step up the technology value chain for China's IT production and a strong new magnet and incubator for suppliers of IT goods and services in Dalian's new, 55 km. sq. development zone.¹¹¹

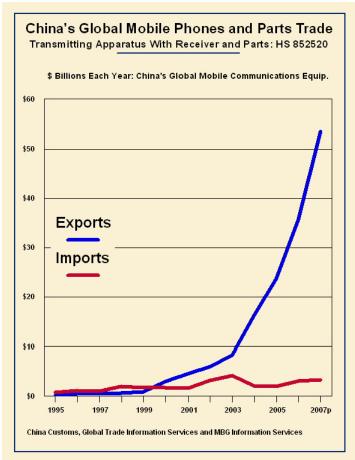
But the most far-reaching technology issue in China today is the apparently imminent launch of China's long-delayed, government-owned independent standard for third generation mobile communications, TD-SCDMA. China now accounts for almost half of all mobile communication devices produced worldwide with a global trade surplus that has skyrocketed in the past four years and may approach \$50 billion in 2007. However, driven by security and cost

¹⁰⁸ "US Chipmaker AMD sets store by country," *China Daily*, June 28, 2007. "AMD eats into Intel's market share in China," *China Daily*, September 6, 2007.

¹⁰⁹ Peter Clarke, "Intel and the need to be loved by China," *EETimes*, March 30, 2007.

¹¹⁰ "China grasps x86 microprocessor design technology," *People's Daily*, July 9, 2007.

¹¹¹ "China approves Intel chip factory," by Don Lee, *Los Angeles Times*, March 14, 2007. "China inaugurates free-trade harbor area in Dalian," China Daily, June 29, 2007.



concerns, China's leadership has poured significant resources into developing a proprietary standard since 1999 to provide an independent alternative to the "US" CDMA standard or the "European" GSM standard.

Co-developed for China by Siemens and a group of state-owned, researchoriented companies assembled by the Ministry of Information in 1999 and named the Datang Group, TD-SCDMA was certified as a third global communications standard by the International Telecommunications Union in May 2000. China has drawn most of the world's leading telecom firms into the effort for its commercialization. It's imminent launch has been announced repeatedly since early 2003 but has been delayed by one problem after another. However, the last significant problem (handoffs to/from other standards) was recently resolved and TD-SCDMA appears finally to be ready for launch by early 2008.¹¹²

China's regulators have refused to

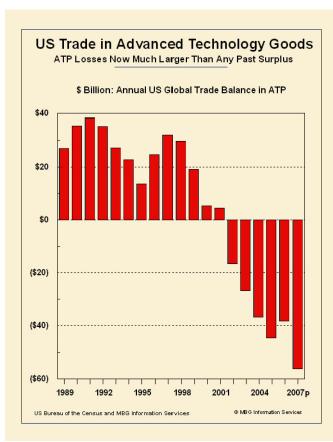
issue 3G licenses for any of the three standards until TD-SCDMA is launched. Indeed, in what some call a shadow roll out, Datang and the world's largest mobile service provider, state-owned China Mobile -- are building-up their infrastructure while conducting extensive trials in 10 major cities including all six of the host cities for Beijing's August 2008 Olympics. Datang received a \$3.6 billion loan from China Development Bank and China Mobile has issued initial equipment procurement offers worth 26.7 billion yuan and another six billion yuan for handset procurement.

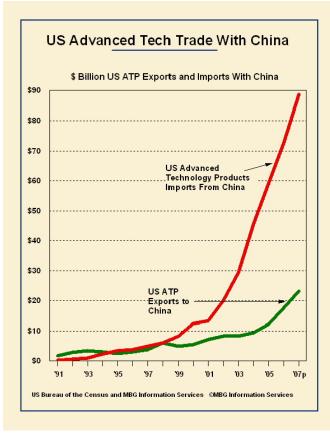
Industry analysts expect 140 million mobile handsets will be sold in China in 2008 and that as many as 50 million of these may support China's proprietary standard. All of the leading TNC handset producers are supporting TD-SCDMA along with one or more of the established standards. But the now widely expected success for China's mobile state-owned, proprietary standard of mobile communications could have far-reaching consequences. It would certainly give an immediate major boost to China's domestic handset producers and adversely affect the US and European producers and standards worldwide and it could easily have profound effects on the wider information technology sector.¹¹³

China is attempting to develop technical standards in many areas but none is nearly so important as TD-SCDMA. This is a vitally important matter for US economic and military security that deserves close attention.

¹¹² "First TD-SCDMA/GSM/GPRS/EDGE Automatic Handover Achieved by T3G and NXP," *NXP Newswire*, June 6, 2007.

¹¹³ "China's Datang secures funds to build 3G networks," *China Daily*, June 21, 2007. "China Mobile asks suppliers to submit informal bids," *China Daily*, March 2, 2007.



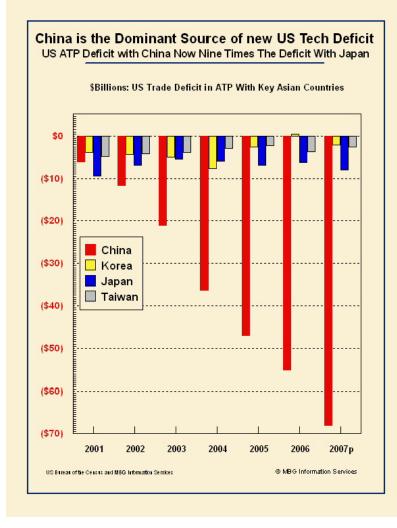


Perhaps the best measure of China's pervasive success in modernizing its production is demonstrated by its affect on US trade in Advanced Technology Products. ATP trade was one of the few remaining areas of US manufactured goods surpluses amid the chronic US trade deficits that first began in 1982.

Through the 1980s and 1990s, ATP surpluses were sighted by theorists claiming that importing what others produce more cheaply allows a country to concentrate on what it makes best, the sales of which will pay for imports and raise living standards for all. The hope was that ATP surpluses would eventually pay for a significant share of the US net imports of oil, apparel, autos and other products of mature manufacturing industries. In the event, the US began facing deficits in ATP trade with China in 1995 and the US has faced global ATP deficits since 2002.

Indeed, since 2004 US deficits -- net payments -- for manufactured ATP have been larger than the entire US surplus from all so-called Intellectual Property fees and royalties. *That is, since 2004, the US has faced a combined deficit in technology goods AND services*. These deficits remain relatively small -- perhaps a new record of -\$17 billion in 2007 -- but they represent a sea change from just a few years ago.

In my report to the Commission five years ago I projected that annual US exports to China of Advanced Technology Products might reach only about \$23 billion by 2007. My most aggressive scenario saw China's ATP exports to the US accelerating to as much as \$82 billion in 2007 -- almost four times ATP exports -- leaving the US with a then unimaginably large -\$59 billion deficit. In fact, US exports of ATP grew as expected but imports from China grew even more than in the most aggressive scenario. As a result, the US ATP deficit with China reached -\$55.1 billion in 2006 and is on track to reach about -\$66 billion in 2007. Whereas six years ago



the US ATP deficit with China was not yet markedly worse than with other countries-- the US deficit with Japan was worse -- today the China deficit is nine times worse than with Japan and accounts for more than the entire US global ATP deficit.¹¹⁴

The global US ATP deficit in 2006 was -\$38.3 billion and the global surplus for IP earnings was \$35.9 billion. The 2007 US global ATP deficit is on track to set another record of about -\$56 billion and the IP surplus also a record of about \$43 billion.

While the US ATP deficit with China was -\$55.1 billion in 2006 the IP surplus with China was just \$1.4 billion. That is, the 2006 US deficit with China in advanced technology goods *and* services was -\$53.7 billion; just more than -\$1 billion per week. For 2007, the US' IP surplus with China looks set to grow -- aided by a slightly weaker exchange rate -- to \$1.7 billion which, when combined with the

projected -\$66 billion in ATP leaves a US advanced tech deficit with China of -\$64 billion.¹¹⁵

¹¹⁴ "China's Very Rapid..." op cit, pp. 17-18. About 700 of some 25,000 commodity classification codes used in reporting US merchandise trade are identified as "advanced technology" codes and they meet the following criteria:

1. The code contains products whose technology is from a recognized high technology field (e.g., biotechnology).

2. These products represent leading edge technology in that field.

3. Such products constitute a significant part of all items covered in the selected classification code.

The aggregation of the goods results in a measure of advanced technology trade which appears in Exhibit 16 (of each monthly trade data release.) This product and commodity-based measure of advanced technology differs from broader NAICS industry-based measures which include all goods produced by a particular industry group, regardless of the level of technology embodied in the goods. From the methodology section "Information on Goods and Services," of <u>US International Trade in Goods and Services</u>, (publication FT 900) published monthly by the US Department of Commerce, Bureau of Economic Analysis and the Bureau of the Census. p. 27. ¹¹⁵ Jennifer Koncz, Michael Mann, and Erin Nephew, "US International Services," *Survey of Current Business* of the US Department of Commerce, October 2006. pp. 18-74.

As discussed above, over the past six years more than the entire annual decline in the US ATP balance with China is due to sharp declines in electrical and non-electrical machinery, Harmonized Industrial Code Series (HS) 84 and 85. These industries include computers and parts along with mobile communications devices and semiconductors, but also jet engines and machine tools. However, already by 2001, ATP deficits with China had spread to a majority of tech products with the overall China deficit -\$6.1 billion. Of the 599 ATP products traded with China in 2001, the US had a surplus in 287 and a deficit in 312 -- 52%. As the deficit with China has soared, these deficits have spread to 361 (57%) of the 637 ATP products traded in 2006.¹¹⁶ A detailed list of all ATP industries, HS codes, exports, imports and balances with China is available in the Appendix.

I regret that the scope of this report does not allow me to discuss the equally dramatic changes occurring in China's services sectors, particularly in its professional services. These are the areas that China's 11th Five-Year Development Plan targets for the first time to receive priority financial and strategic policy support.

	China's Global Current Account Balances \$ Millions Each Year: Near \$1 Trillion of Surpluses since 2001 <u>Goods Services Investments Transfers</u> Current Account									
	Goods	Services	Investments	Transfers	Current Account					
1000	ФОЕ 000	(\$5.0.14)		.	04.445					
1999	\$35,982	(\$5,341)	N	\$4,944	\$21,115					
2000	34,474	(5,600)	(14,666)	6,311	20,519					
2001	34,017	(5,933)	(19,175)	8,492	17,401					
2002	44,167	(6,784)	(14,946)	12,984	35,422					
2003	44,652	(8,573)	(7,838)	17,634	45,875					
2004	58,982	(9,699)	(3,523)	22,898	68,659					
2005	134,189	(9,391)	10,635	25,386	160,818					
2006	217,746	(8,834)	11,755	29,199	249,866					
2007p	370,000	(8,500)	18,000	32,000	411,500					

International Monetary Fund nd MBG Information Services

However, quite important for future prospects, it should be understood that it is not only China's annual trade surplus that is advancing rapidly. China's annual global balance on investment income and global transfers is also surging; from a combined deficit of -\$10.7 billion in 2001 to a combined surplus of \$41.0 billion in 2006 and a likely surplus of at least \$50 billion in 2007. That is, beginning in 2005 China started earned more on its foreign lending and investing than all the earnings of all TNCs and other foreign interests operating and investing in China. Also important, net transfers of income to China have soared from \$8.5 billion in 2001 to \$29.2 billion in 2006 and may reach \$32 billion in 2007. This massive flow of capital is from overseas

¹¹⁶ An August 2007 "Info Brief" on ATP trade from the National Science Foundation has numerous and serious data errors in reporting the Census trade figures. Lawrence M. Rausch and Derek Hill, "Annual Deficits Continue for US Trade in Advanced Technology Products," *Info Brief: Science Resources Statistics, NSF-07-329*, August 2007. Chinese seeking to invest in China and earnings from China's substantial oversees workforce. This investment and transfer surplus seems certain to continue its rapidly increase now in the same way that the annual surplus on Japan's net investments reached \$125 billion in 2006 and could reach \$150 billion in 2007.

	U.S. Curr				
	\$ Millions Ea	ch Year: Nea	ar -\$1.3 Trillio	n in Deficits	since 2001
	Goods	Services	Investments	Transfers	Current Account
1999	(\$68,793)	\$1,334	(\$4,120)	(\$1,164)	(\$72,743)
2000	(83,971)	1,946	(4,718)	(1,300)	(88,043)
2001	(83,295)	2,005	(5,993)	(1,374)	(88,657)
2002	(103,276)	1,888	(6,984)	(1,523)	(109,894)
2003	(124,384)	2,038	(8,067)	(1,399)	(131,812)
2004	(162,335)	1,783	(10,253)	(1,769)	(172,574)
2005	(202,087)	2,437	(17,106)	(1,851)	(218,607)
2006	(233,087)	3,639	(26,695)	(2,065)	(258,207)
2007p	(279,819)	4,673	(42,572)	(2,125)	(319,843)
	ortmont of Comp	a area and MPC	Information Sor	1000	
US Depa	artment of Comn	nerce and WBG	information Serv		

Although China also enjoys a large trade and Current Account surplus with the EU and smaller surpluses with Japan, its surpluses with the US continued to be larger than its global surpluses until 2007. That is, China has very large net imports from (trade deficits with) Taiwan, most of its other Asian neighbors and most resource-rich developing countries. China has developed a vital role for itself -- and enormous leverage for commercial and political negotiations -- as an essential hub for much of the world's dynamic global network of goods production.

The US Current Account deficit with China in 2006 was -\$258.2 billion including deficits of -\$233.1 billion for increasingly sophisticated goods and -\$26.7 billion on investments. That is, the US paid \$26.7 billion more to service its debts with China and in profits for other Chinese interests in the US, than all profits earned by all US TNCs and other interests in China. These annual US net payments on investments to China may rise to over \$42 billion in 2007 from less than \$6 billion in 2001. This means that even if China manages to restrain its soaring trade surplus with the US and with the world, its Current Account surplus is likely to remain very substantial and, indeed, may continue to rise rapidly for several more years. This means that China's \$1.4 Trillion in foreign currency reserves will continue increasing rapidly and, unchecked, the ability of China's authorities to buy or negotiate core global competencies will continue to accelerate.

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Appendix

A complete list of all imports, exports and balances in US-China trade of Advanced Technology Products: 2000 to 2006

			•••	2002	2002	2004	2005	2006
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
2844200020	Totals URANIUM FLUORIDE ENRICHED IN U235	\$5,524,491,352 0	\$7,243,384,280	\$8,288,062,990 0	\$8,287,626,311 0	\$9,433,134,900 0	\$12,289,337,013	\$17,627,164,169
	URANIUM FLUORIDE ENRICHED IN 0235 URANIUM COMPOUNDS DEPLETED IN 0235, NESOI	0	52,378	72,700	35,160	11,120	162,316	193,785
2844305000	MIXTURES CONTAIN URANIUM DEPLETED IN U235, NESOI	0				25,999	42,796	527,369
	ELEMENTS, ISOTOPES AND COMPOUNDS WITH COBALT-60 RA	2,755	53,712	2,766	25,130	709,666	899,868	198,073
	RADIOACTIVE ELEMENTS, ISOTOPES AND COMPOUNDS OTHER ALLOYS, DISPERSIONS, CERAMIC PRODUCTS & MIXTURES C	1,703,156 242,996	1,026,611 401,549	3,524,522 301,354	2,494,778 150,148	1,607,964 169,598	1,403,607 393,775	1,432,590 317,063
	ISOTOPES, EXCEPT THOSE OF HDG 2844; COMPOUNDS, INO	145,406	329,965	115,929	312,931	716,773	537,715	1,248,880
2914692000	QUINONE DRUGS	0	29,700	29,386	27,427	72,899	3,750	418,238
		0	0	0	0	0	0	0
	AMFETAMINE, BENZFETAMINE(INN) ETC & SALTS THEREOF AROMATIC MONOAMINE DRUGS, NESOI	0	0	0	0	0	0	2,961 0
2922190900	AROMATIC AMINO-ALCOHOLS,ETC USED AS DRUGS,NESOI	0		0	0	0	0	0
	OTHER AROMATIC AMINO-ALCOHOLS, THEIR ETHERS AND ES	0	0					
2922292700	AMINO-NAPHTHOLS AND AMINO-PHENOLS,ETC USED AS DRUG	0	0	0	0	0	0	0
2922492600 2922492700	AROMATIC AMINO-ACIDS ETC FOR USE AS DRUGS AROMATIC AMINO-ACIDS AND THEIR ESTERS,OTHER THAN T	0	0	0	0	0	0	0
2922501400	OTHER AROMATIC CARDIOVASCULAR DRUGS	0	0	0	0	0	0	0
	OTHER AROMATIC AMINO-ALCOHOL-PHENOL DRUGS	0	0	0	0	0	0	0
	OTHER AROMATIC CYCLIC AMIDES AND DERIVATIVES FOR U NON-AROM ORGAN DERIV OF HYDRAZINE ETC USED AS DRUG	0	0	0	0	0	0 85,780	0
	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED PR	0		0	0	Ő	0,700	0
	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED AS	0	0	0	0	0	0	0
2931002200	AROMATIC ORGANO-INORGANIC COMPOUNDS USED AS DRUGS	0	0	0	6,500 0	0	0	51,925 0
	AROMATIC COMPOUNDS CONTAINING AN UNFUSED FURAN RIN AROMATIC LACTONES USED AS DRUGS	0	0	0	0	0	0	0
2932910000	ISOSAFROLE	0		6,598	0	0	4,650	0 0
	1-(1,3-BENZODIOXOL-5-YL)PROPAN-2-0NE	0	38,611	1,970,670	0	1,672,907		
	TETRAHYDROCANNABINOLS (ALL ISOMERS) BIS-O-[(4-METHYL PHENYL)-METHYLENE]-D-GLUCITOL (DI	0	0	0	0	0 12,375	0	462,000 0
	AROMATIC PESTICIDES WITH OXYGEN HETERO-ATOM(S) ON	1,255,625	4,115	0	0	12,375	0	0
2932996560	AROMATIC PESTICIDES WITH OXY HETERO-ATOM(S) NESOI	0		5,214	0	35,886	458,405	990,930
	OTHER AROM HETERO ETC EXCL PROD IN U.S. NT 3 SEC 6	0	0	0	0	0	0	0
2933193500 2933292000	AROMATIC OR MOD AROM DRUGS CONT AN UNFUSED PYR ETC AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINING AN	0		0	0	0	0	0
	DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMATIC) CO	0	0	0	0	0	0	0
2933330000	ALFENTANIL, AMILERIDINE, BEZITRAMIDE(INN), ETC.	0				0		
	DRUGS CONTAINING AN UNFUSED PYRIDINE RING (WHETHER	0	0	0	0	0	0	0
	5-CHLORO-7-IODO-8-QUINOLINOL (IODOCHLORHYDROXYQUIN OTHER DRUGS CONTAINING A QUINOLINE OR ISOQUINOLINE	0	0					
	LEVORPHANOL (INN) AND ITS SALTS	0	Ū	0	0			
2933490800	4,7-DICHLOROQUINOLINE	0		0	0	0	0	0
	IODOCHLORHYDROXYQUIN; DECOQUINATE ETC	0		0	0	0	0	0
	DRUGS CONT A QUINOLINE OR ISOQUINOLINE ETC, NESOI LOPRAZOLAM (INN), MECLOQUALONE (INN), ETC & SALTS	0		0	0	0	0	0 7,500
2933592100	ANTIHISTAMINES, INCLUDING ANTINAUSEANTS	0				0	0	0
	OTHER AROMATIC OR MODIFIED AROMATIC ANTI-INFECTIVE	0	0	0	0	0	0	0
	OTHER AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINI OTHER DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMAT	0	0	0	0	0	0	0
	DRUGS CONTAINING A PYRIMIDINE RING (WHETHER OR NOT	8,007	5,767	0	0	0	0	0
2933595960	DRUGS CONT A PYRIMIDINE OR PIPERAZINE RING ETC	0		4,254	89,492	1,098,473	632,526	2,391,669
	OTHER ANTI-INFECTIVE AGENTS	0						
	OTHER CARDIOVASCULAR DRUGS OTHER ANALGESICS, ANTIPYRETICS AND NON-HORMONAL AN	1,800,000 0	0					
	ANTICONVULSANTS, HYPNOTICS & SEDATIVES W/HETEROCYC	0	0					
2933907000	OTHER DRUGS PRIMARILY AFFECTING THE CENTRAL NERVOU	0						
	ALPRAZOLAM, CAMAZEPAM, CHORDIAZEPOXIDE (INN), ETC.	0		0	97,812	11,883	14,695	0
	ANTI-INFECTIVE AGENTS, NESOI CARDIOVASCULAR DRUGS, NESOI	0		184,381 0	0 176,945	417,933 25,055	1,078,612 51,572	0 52,314
	ANALGESICS, ANTIPYRETICS AND NON-HORMONAL ETC	0		0	4,500	20,000	0	25,500
	ANALGESICS, ANTIPYRETICS & NON-HORMONAL AGTS NESOI	0		0	0	0	0	0
	ANTIDEPRESSANTS, TRANQUILIERS ETC, NESOI	0		6,720	0 32,640	0	23,981	10,643
	ANTICONVULSANTS, HYPNOTICS AND SEDATIVES DRUGS PRIM AFFECT THE CENT NERV SYSTEM, NESOI	0		3,000 234,305	32,640 386,800	360,058	0 654,218	0 1,327,650
	DRUGS W/ A PHENO RING SYS (W/T HYDRO), NESOI	0		0	0	0	0	0
2934903000	OTHER HETEROCYCLIC COMPOUNDS USED AS DRUGS	0	0					
	AMINOREX, BROTIZOLAM, CLOTIAZEPAM (INN) ETC. HETEROCYC CMDPS. USED AS DRUGS, NESOI	0		0	0	0	0	0
	PITUITARY (ANTERIOR) OR SIMILAR HORMONES	0	0	0	0	0	0	0
2937110000	SOMATOTROPIN, ITS DERIVS & STRUCT ANALOGUES	0		0	0	0	0	0
	POLYPEPTIDE, PROTEIN & GLYCOPROTEIN HORMONES, NESOI	0		14,230	23,168	14,684	176,781	192,032
	ESTROGENS AND PROGESTINS ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN	0		25,838 0	37,975 0	261,642 0	116,915	0
	PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN	0		0	0	0	0	0
2937235010	ESTROGENS NOT DERIV FROM ANIMAL OR VEGETABLE MATER	0		0	Ō	0	0	0
	PROGESTERONE NOT DERIV FR ANIMAL OR VEGETBLE MATER	0		0	0	0	0	0
	PROGESTINS NOT OF ANIMAL OR VGTABLE ORIGIN, NESOI CATECHOLAMINE HORMONES, DERIVS & ANALOGUES NESOI	0		0	0	0	0	0
	HORMONE AMINO-ACID DERIVATIVES, NESOI	0		0	0	0	0	0
2937500000	PROSTAGLANDINS, THROMBOXANES & LEUKOTRIENES	0		0	0	0		
	HORMONES, PROSTAGLANDINS, ETC NESOI ESTROGENS AND PROGESTINS	0 6 650		0	0	0	0	0
	ESTROGENS AND PROGESTINS ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN	6,650 0	0					
2937921050	OTHER PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN	0	0					
	ESTROGENS NOT DERIVED FROM ANIMAL OR VEGETABLE MAT	0						
	PROGESTERONE NOT DERIVED FROM ANIMAL OR VEGETABLE OTHER PROGESTINS NOT DERIVED FROM ANIMAL OR VEGETA	0	0					
	OTHER PROGESTINS NOT DERIVED FROM ANIMAL OR VEGETA OTHER HORMONES AND THEIR DERIVATIVES, OTHER STEROI	0	0					
2940002000	D-ARABINOSE	59,300	2,784	2,529	22,419	0	4,445	0
	OTHER SUGARS, NESOI EXCL D-ARABINOSE	0	78,677	129,036	200,486	408,813	706,073	591,448
	HUMAN IMMUNE BLOOD SERA FETAL BOVINE SERUM (FBS)	452,826	61,146 227,113					
	OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I	1,901,263	3,380,810					
3002100090	OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I	0	0					
3002100130	HUMAN IMMUNE BLOOD SERA			390,024	237,318	0	182,064	0

HE Contr						2004	2005	2000
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	FETAL BOVINE SERUM (FBS)			344,814	560,379	9,959	13,166	47,040
	BLOOD FRACTIONS NESOI VACCINES FOR HUMAN MEDICINE	243,767	66,269	3,761,257 25,000	7,056,334 667,508	4,321,144 178,553	16,565,617	17,708,737
		3,283,512	4,954,244	6,267,434	5,717,431	5,351,483	375,600 9,965,735	997,302 12,394,649
3002905050	OTHERTOXINS, CULTURES OF MICRO-ORGANISMS (EXCLUDIN	170,175	159,796				.,,	.,,
3002905120		0		80,098	78,597	4 0 40 000		
		0	0	407,573	685,661	1,043,932	953,893	1,507,285
3004909190		ő	0	0	0	0	0	0
3818000000		6,595,409	8,862,114	10,741,089	26,089,378	38,146,081	24,458,123	89,404,701
		0	0	0	0	0	0	0
	OTHER CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONI NUCLEAR REACTORS	0	31,630	255,600	255,600	200,000	0	0 12,526
		2,659,230	1,395,359	1,037,369	1,621,993	3,510,843	1,105,666	57,384
	· · · ·	114,350	558,400	0	210,905	98,742	487,495	31,673
		398,487	1,844,695	67,688 27,357,481	149,643 8,000,450	267 440	6,716	5,162,591
	TURBOJET AIRCRAFT TURBINES (ENGINES) FOR USE IN CI TURBOJET A/C TURBINES EXC CIVIL, THRUST LE 25 KN	463,501 0	57,793,850	27,357,461	5,604	267,119	0,710	5,162,591
		0		0	0	0	0	0
		41,950,388	52,109,172	124,000,000	172,000,000	96,729,584	85,361,574	106,726,320
		0		0	0	0	0	3,391,948 0
	TURBOPROPELLER A/C TBN, POWER OVER 1100 KW	ő		Ű	Ŭ	112,500	0	250,580
8411814000	GAS TURBINE A/C ENGINES, NESOI, POWER NOT EXC 5000KW	0				0	0	0
		769,594	2,003,000	150,000	975,325	180,000	959,739	2,072,356
	GAS TURBINE A/C TURBINE FOR CIVIL A/C, OVER 5000 K AIRCRAFT TURBINES (ENGINES), EXCEPT FOR USE IN CIV	0 15,600		0	14,800,000	7,000,000	8,080,960	2,260,000
	PARTS OF TURBOJETS AND TURBOPROPELLER AIRCRAFT ENG	27,402,280	32,677,607	48,328,512	49,075,130	50,047,240	44,645,887	69,668,595
	PARTS OF TURBOJET AND TURBOPROPELLER AIRCRAFT ENGI	225,607	1,528,049	595,677	589,693	199,547	883,552	693,491
8411919080		0	0	0	0	0	0	0
		7,471,545 2,442,950	15,034,306 379,247	2,882,493 3,606,164	2,411,974 10,064,488	2,878,844 3,576,662	3,709,877 6,339,785	19,333,145 2,472,094
		2,442,950	0	3,000,104	10,004,488	3,570,002	0,339,785	2,472,094
8424893000	SPRAYING APPLIANCES FOR ETCHING, STRIPPING OR CLEA	1,663,171	3,418,121	5,340,068	8,386,821	5,827,591	5,808,872	4,745,852
		0 225,714	176,000	1 700 040	156,407	0 260,904	0	0
	AUTOMATED GUIDED VEHICLES (AGV) FITTED WITH LIFTIN INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O	225,714	176,000	1,792,012	156,407	260,904	10,699 0	1,296,771
	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O	309,775	1,599,715	6,078,346	1,886,839	2,749,471	7,464,154	5,119,375
	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	16,759,971	12,248,076	22,452,149	8,475,739	19,904,100	13,869,348	20,162,476
8456101010		0		0	0	0	0	0
8456101020 8456106000		0		0	0	0	0	0
		Ő		0	Ŭ	Ő	0	0
		68,269	30,345	2,712,949	2,052,003	1,503,811	277,972	135,996
8456201050 8456205000		0	0	0	0	0	0	0
	ELECTRO-DISCHARGE MACHINE TOOLS FOR REMOVING MATL	295,135	1,390,217	2,078,617	1,106,295	1,343,153	1,939,826	894,263
8456301020	MAC TOOL,MTL WRK,ELECTRO-DISCHRG, TRAVEL WIRE TYPE	0	0	0	0	0	0	0
	MC TL,MTL WRK,ELETRO-DSCHRG PROCES,EX TVL-WIRE,N/C	0	0	0	0	0	0	0
8456301070 8456305000		0		0	0	0	0	0
	DRY ETCHING (INCLUDING PLASMA) MACHINES DESIGNED T	30,338,172	31,179,637	81,830,194	37,389,295	199,000,000	77,479,306	205,590,032
8456991000	FOCUSED ION BEAM MILLING MACHINES TO PRODUCE OR RE	39,135	356,000	420,190	716,000	265,186	652,335	1,809,340
		0	790,258	769,798	62,499	133,880	1,191,410	357,074
8456993040 8456993060		2,517,134	546,083 31,324	2,222,224 40,598	716,168 38,835	1,064,436 44,781	3,897,713 56,760	6,732,479 58,611
		25,000	27,473	95,000	0	0	60,590	1,899,513
8456995000		2,583,129	910,611	1,909,601	2,342,525	5,088,347	5,534,211	4,909,119
8456997000		0	0	0	0	0	0	0
8456999000 8457100015		2.019.615	3,870,612	2,119,540	6,924,575	8,112,087	12.109.230	2,895,551
		89,000	546,490	644,350	333,000	1,015,718	2,473,752	1,970,538
	MACHING CENTERS, AUTO TOOL CHNG, EXCEPT VERTICAL	1,061,500		1,290,685	769,478	0		
	HORIZONTAL MACHING CENTERS WTIH ATC	0				3,714,223 3,294,718	2,071,100	1,720,740 4,386,991
	MACHING CENTERS, AUTO TOOL CHNG, NESOI HORIZONTAL SPINDAL MACHINES (685MM-1016MM)	0		0	0	5,294,710	3,427,575	4,300,991
8457100065	HORIZONTAL SPINDAL MACHINES GT 1016 MM	0				0	0	0
	MACHING CENTERS, AUTO TOOL CHNG, NESOI	0	45 700 500	00 700 444	1 207 0 10	0	0	0
	UNIT CONSTRUCTION MACHINES (SINGLE STATION), N/C MULTISTATION TRANSFER MACHINES, N/C	1,648,785 0	15,760,500	26,703,414 0	1,327,843 0	688,332 0	0	1,681,800 0
	HORIZONTAL LATHES, MULTIPLE SPINDLE, METAL REMOVIN	608,000	0	0	369,042	354,045	409,408	796,508
8458110030	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	1,231,985	15,517,437	2,249,219	169,466	700,494	654,926	12,743,788
	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	2,659,062	473,073	1,173,992	488,235	0	1,540,663	3,088,484
	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL VERTICAL TURRET LATHES, METAL REMOVING, NUMERICALL	0	116,050	320,000 0	0	153,178 0	262,525 0	4,557,890 0
	VERT TURT LATH,MTL REMOV, N/C, EXC MULTI SPIN, NEW	0		0	0	173,708	,	3
8458915050	LATHES FOR REMOV MTL, N/C, MULIT SPIN, NEW, NESOI	0	91,988	0	0			
	LATHES FOR REMOV MTL,N/C,EXC MULTI SPIN,NEW,NESOI	0	420 550	0	97,000 0	3,631,983	999,000	1,139,000
	WAY-TYPE UNIT HEAD MACHINES DRILLING MACH, METAL, N/C, NEW	223,411 2,958,240	420,550 1,783,033	861,990 2,283,940	0 1,170,583	0 3,170,871	161,342 1,719,810	240,000 1,300,000
8459310010	BOR-MIL MAC, HORIZ SPIN, TABLE TYP, MTL REMOV, N/C, NEW	2,000,210	, ,	0	368,800	3,705,000	, ,,,,,,	, , , , , , , , , , , , , , , , , , , ,
	BOR-MIL MAC,HORIZ SPN,EX TBL TYP,MTL REMOV,N/C,NEW	0				0	0	0
	BOR-MIL MAC,EXC HORIZ SPIN,MTL REMOV,N/C,NEW,NESOI BORING MAC,VERT,MTL REMOV,N/C,OVER \$3025,NEW	0 685,704	2,261,676	0	70,000 1,419,800	0 56,610	0	75,000
	BORING MAC, VERT, MIL REMOV, N/C, OVER \$3025, NEW BORING MACH, EX VERT, MTL REMOV, N/C, OVER \$3025 NEW	685,704	2,201,070	0	1,419,800	50,010	2,652,141	6,031
8459510080	MILLING MACHINES, KNEE TYPE, METAL REMOV, N/C, NEW	70,060	0	0	0	105,709	0	25,738
	MILLING MACH, EXC KNEE TYP, MTL REMOV, N/C, NEW	0	3,974,270	1,120,000	5,656,605	4,600,003	8,055,001	3,821,829
	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C FLAT SURFACE GRINDING MACHINES, METAL REMOVING, AC	0		570,903 91,500	10,000 241,894	0	0	224,000 89,520
	GRINDING MACHINES EXCEPT FLAT SURFACE, METAL REMOVING, AC	0	2,052,312	538,436	754,190	1,277,804	2,961,200	1,828,959
8460310080	SHARPENING (TOOL OR CUTTER GRINDING) MACHINES, MET	5,970	0	57,111	0	0	300,000	604,940
	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI	1,300,000	1,918,942 0	5,440 0	1,950,139 0	5,874,991 0	1,368,555	2,624,074
	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI MAC TOOLS USING ABRASIVES, NESOI, N/C, OV \$3025, NEW	0	U	0 67,331	0 21,362	0 1,211,351	0 11,926	0 357,024
	MAC TOOLS USING ABRASIVES, NESOI, N/C, 3,0250VER, NEW	Ő		0	0	0	0	0
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US Exports of Advanced Technology Products to China HS Code Commodity Descripton SHAPING OR SLOTTING MACHINES METAL REMOVING N/C 0 0 0 1.401.000 B461200010 0 833 878 154 800 SLOTTING MACHINES, METAL REMOVING 0 461204000 8461300060 BROACHING MACH. METAL REMOV. N/C. OVER \$3025. NEW 0 0 212,500 0 840.000 1.866.285 3461304060 BROACHING MACH, METAL REMOV, N/C, NEW 0 0 8461500050 SAWING OR CUTTING-OFF MACHINES METAL REMOVING NU 0 12.000 207 299 104.002 142,075 48,295 0 SAWING OR CUTTING-OFF MACHINES, METAL REMOVING, NU 461504050 0 0 0 0 0 0 0 19.808 8461900040 MACHINE TOOLS WORKING BY REMOVING METAL. NESOI, NU 8461903040 PLANING MAC,METAL REMOV,NUM CTRL,OVR \$3025,NEW 68,309 0 10,000 0 8461903080 MAC TOOLS MTI REMOVINUM CTRL OV\$3025 NEW NESOL 1 088 192 142 110 350 700 418 308 822 452 0 BENDING, FOLDING, STRAIGHTENING OR FLATTENING MACH 462210080 1.366.249 2.830.381 338,178 4.107.369 2.184.434 5.680.769 12.034.745 NUMERIC CONTROL MACH FR BEND SEMICONDUC LEAD, NESOI BENDING, FOLDING, OR FLATTENING MACHINES (INCLUDIN 8462214085 0 n 8462218085 0 0 0 8462310080 SHEARING MACHINES (INC PRESSES), OTHER THAN COMBIN 0 0 0 0 0 492.762 462410080 PUNCHING OR NOTCHING MACHINES (INC PRESSES), INCLU 746.000 2.200.234 3.136.189 279.863 5.049.350 4.920.437 5.774.000 8462910060 HYDRAULIC PRESSES METAL FORMING NUMERICALLY CONT 684 506 367 253 391 924 4.611.774 0 0 215.829 HYDRAULIC PRESSES, METAL FORMING, NUMERICALLY CONT 3462914060 236.584 8462990030 MACHINE TOOLS (INCLUDING PRESSES) WORKING BY FORMI 361.528 56.830 0 15.629 133.738 1.471.981 3464100040 SAW MACH DESIGND TO SAW BLANK SEMICONDUCTOR WAFERS 1,112,025 3,657,036 200,130 371,379 148,910 179,014 592,085 B464201000 GRIND/POLISH MACH ER PROCESSING SEMICONDCTOR WAFER 0 0 0 MACH TOOLS FR SCRIBING/SCORING SEMICONDUCTOR WAFER 8464901040 607.385 735.075 798.117 679.921 1,156,646 662.563 110.000 8464901060 MACH TLS FR SCRIBING/SCORING SEMICONDUCTOR WAFERS 12.946.369 14.325.072 11 709 101 831 821 5 017 654 MACHINE TOOLS FOR WET DEVELOPING OR STRI 595,807 1,241,600 3,141,688 3464906000 1,639,690 736,000 WOODWORKING TENONERS,NUMERICALLY CONTROLLED,NEW ROUTERS, NEW, NUMERICALLY, WOODWORKING MACHINES 8465100025 0 0 0 0 3465920055 0 8465950020 BORING MACHINES N/C WOODWORKING NEW 0 0 0 0 3470500020 POINT-OF-SALE TERMINAL TYPE CASH REGISTERS 446.362 772.714 63.843 453,903 990,888 1.719.151 2.692.682 ANALOG OR HYBRID AUTOMATIC DATA PROCESSING MACHINE PORTABLE DIGITAL ADP MACHINE, WEIGHING NOT MORE TH 16,776,868 14,051,978 7,923,286 9,111,507 21,344,520 B471100000 23.713.453 8.812.632 16 889 501 10.295.435 8471300000 10,979,204 45,616,536 62,392,886 70,560,140 8471410035 DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA 11 055 061 7 709 557 8 330 517 5 680 046 10 300 776 10 980 429 7 384 417 3471410065 DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA 5.562.600 3.528.920 2.953.754 3.161.668 3,396,577 3.592.407 3,549,653 8471410095 DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA 20 009 978 15 666 005 12 672 359 9.101.704 15 013 533 15 029 101 30.900.272 8471491035 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 135,656,762 173,890,121 147,000,000 129,000,000 144,000,000 128,508,301 145,962,219 8471491065 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 562.713 2.033.537 524.111 439.817 650.425 233.653 840.142 3471491095 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 22.050.843 18.009.364 38.521.760 29.083.986 18,433,255 10.787.632 20.398.358 8471491500 COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT.WHETH 674 520 1 581 791 632 553 700 922 4 016 547 8 490 383 9 767 826 4,081,986 900,357 8471492400 DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V 541,136 2,335,154 2,302,851 216,741 3,947,684 4,249,121 COLOR CATHODE-RAY TUBE (CRT) MONITORS, ENTERED WIT DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT, ENT 142,695 1.180.334 8471492600 328 159 683 609 446 211 603.204 8471492900 244,626 499,055 2,437,554 340,716 819,376 776,102 828,136 8471494200 OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI 1 294 990 3 688 174 1 363 231 2 145 864 1 730 109 2 133 508 4 183 024 8471494850 CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES, ENTERED 202.063 29.377 24,640 32,869 299,848 18.201 16,752 8471494875 ADP OUTPUT DEVICES. NESOI. ENTERED IN THE FOR OF S 425.713 702.756 302.719 61 336 89.072 516 359 246.315 439,677 471494895 ADP INPUT UNITS, NESOI, ENTERED IN THE FORM OF SYS 3,632,945 1,271,004 2,774,405 1,672,830 1,578,767 54,189 8471495010 MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT= 168.208 72.512 6.712 10.933 48.270 54.149 11.113 FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI 8471495020 44.665 565.460 240,050 11.504 334,688 573.911 418,827 8471495040 HARD MAGNETIC DISK DRIVE UNITS NESOL ENTERED WIT 1 585 435 3 595 646 3 261 006 718 036 755 074 928 196 3 919 697 DISK DRIVE UNITS, NESOI, ENTERED WITH THE REST OF 2.451.611 3.348.880 880,192 425.895 2,556,711 3471495060 1,726,918 76,160 8471495080 OTHER STORAGE UNITS, NESOI, ENTERED WITH THE REST CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES 168 872 689 605 565 478 88 322 983 121 3 997 334 7.725.943 8471496000 1,785,664 2,780,828 802,711 13,083,144 1,067,401 2,684,302 2,830,562 8471498500 UNITS NESOL SUITABLE FOR PHYSICAL INCORPORATION 0 0 0 0 0 471499000 AUTOMATIC DATA PROCESSING UNITS, NESOI, ENTERED WIT 3.212.358 968,745 3,971,990 17,896,422 9,442,761 17,452,566 15.300.473 8471499500 UNITS, NESOI, FOR AUTOMATIC DATA PROCESSING MACHIN DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME Δ 0 0 0 Δ 2,230,910 1.233.708 1.073.241 543.219 406.763 8471500035 290.791 1,278,614 8471500065 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 159.750 348.035 1.393.300 418.732 68 257 413 639 160,175 471500085 DIGITAL PROCESSING UNITS EXCLUDE SUBHEADING 8471.4 114.542.955 72,832,185 51,011,037 48,135,836 40.104.803 93.192.041 87.461.637 8471601035 COMBINATION INPUT/OUTPUT UNITS WITH COLOR CATHODE 26 150 1 484 300 422 295 157 579 54 573 60.127 88 520 COMBINATION INPUT/OUTPUT UNITS WITH A MONOCHROME C 8471601065 28.000 165,887 0 0 0 0 4,940,752 8471601095 COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT, WHETH 765 855 3 011 332 593 356 1 664 110 4 281 881 9.902.558 471603000 DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V 4.553.027 2.015.519 1.013.648 5.914.350 1.157.286 723.006 1.427.270 8471604580 DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT 12 241 920 11 544 314 0 0 0 8471605100 LASER PRINTER UNITS INCORPORATING AT LEAST THE MED 0 0 0 0 1.767.094 1,667,480 4.374.456 8471605200 LASER PRINTER UNITS INCORPORATING AT LEAST THE MED 0 0 6.726.950 0 0 0 1,077,383 348,275 3471607040 OUTPUT DEVICES, NESOI, SUITABLE FOR INCORPORATION 1,719,717 580,595 424,172 224,120 407,751 INPUT UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPOR OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI 584,428 14,561,931 8471607080 3 906 654 1,992,075 2,888,497 344,120 9,904,038 653.376 998,311 18,539,526 415.859 8471608000 5,774,366 11,582,035 20,492,135 8471609030 CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES 39 175 114 353 184 437 198 332 1,138,564 55 578 143 256 11,484 3471609070 ADP OUTPUT DEVICES, NESOI 35.495 14.948 36.195 28.727 480.495 720,176 3,749,259 8471609090 ADP INPUT UNITS, NESOI 1.257.690 1.829.979 1.151.886 4.973.492 6.362.753 3.165.131 8471701000 MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT= 234.309 62.457 226.462 8.953 99.191 145.778 188.738 1 374 028 9 180 656 1 575 319 8471702000 MAGNETIC DISK DRIVE UNITS FOR AUTOMATIC DATA PROCE 107 000 116 725 3 365 030 4 036 296 471703000 MAGNETIC DISK DRIVE UNITS, NESOI, WITH A DISK DIAM 510.671 1,019,490 723,454 450,757 505.823 1.193.347 2.190.138 8471704035 FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI 1 327 526 287 313 705 707 485 806 131 561 90 690 129.241 8471704065 HARD MAGNETIC DISK DRIVE UNITS, NESOI, NOT ASSEMBL 36,264,914 27,004,663 25,698,289 29,329,339 22,851,352 34,695,282 35,720,537 109,882 8471704095 DISK DRIVE UNITS. NESOI. NOT ASSEMBLED IN CABINETS 9 360 116.521 193.307 216,195 1,048,128 1.281.516 13.000 3471705035 FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI 11.953 11.137 57.695 4.300 44.891 442.586 4 489 632 8471705065 HARD MAGNETIC DISK DRIVE UNITS, NESOI 20 406 980 11 699 041 6 171 203 4 500 994 3 367 628 11 289 965 398,794 8471705095 DISK DRIVE UNITS, NESOI 334.372 554.379 1,689,781 3,107,382 2,881,589 4,332,698 8471706000 OTHER STORAGE UNITS, NESOI, NOT ASSEMBLED IN CABIN 8.497.078 5.715.204 10 140 485 18.431.738 20.409.591 16 837 889 14.110.554 3471709000 OTHER STORAGE UNITS, NESOI 8,856,442 11.476.170 8.053.791 7,792,954 18.189.559 22.973.645 29.902.278 CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPORATION 438,578,906 12,057,399 435,798,261 26,415,929 193,000,000 102,000,000 146,000,000 155,000,000 8471801000 8471804000 102,966,050 95,543,337 113,194,044 120.728.09 8471809000 OTHER UNITS FOR AUTOMATIC DATA PROCESSING MACHINES 1 305 134 2 958 052 2 067 829 3 134 897 6.399.184 9 243 634 23.013.562 8471900000 21,031,730 13.845.240 32,736,338 19,993,997 19.139.596 MACHINES AND UNITS THEREOF FOR PROCESSING DATA, NE 22,129,507 16,956,240 8473300000 PARTS AND ACCESSORIES FOR AUTOMATIC DATA PROCESSIN 527.528.182 611.654.049 413.000.000 497.000.000 564.000.000 977.250.613 1,249,668,730 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 8473301000 8473301040 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING Ó Ó 0 Ó 0 n 0 0 8473301080 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 0 0 0 0 0 0 0 8473302000 PARTS AND ACCESSORIES, INCLUDING FACE PLATES AND L 0 0 0 0 0 0 8473303000 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 0 0 0 0 0 0 PARTS AND ACCESSORIES OF THE MACHINES OF HEADING 8 OTHER PARTS AND ACCESSORIES OF PRINTERS FOR AUTOMA 8473305000 8473306000 0 0 0 0 OTHER PARTS AND ACCESSORIES OF AUTOMATIC DATA PROC PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT 8473309000 0 0 0 0 0 5,679,000 8473500000 927.201 1.283.467 4.880.938 4.974.959 8.981.062 12,029,769 8473503000 PRINTED CIRCUIT ASSEMBLIES EQUALLY SUITABLE FOR US 0 0 0 0 0 3473506000 PARTS AND ACCESSORIES. INCLUDING FACE PLATES AND L 0 0 0 0 0 0 0

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PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	INDUSTRIAL ROBOTS, NESOI APPARATUS FOR GROWING SEMICONDUCTOR CRYSTALS	753,317 0	7,357,492	2,417,915 0	2,566,982 1,203,591	3,299,197 590,835	11,641,470 568,000	5,188,363
	MACHINE TO COAT SEMICONDUCTOR WAFERS WITH EMULSION	0		1,901,990	3,446,600	4,056,337	923,730	846,085
	CHEMICAL VAPOR DEPOSITION APPARATUS	0		121,000,000	107,000,000	321,000,000	71,719,673	184,035,297
		0		70,412,508	53,035,824	63,734,933	69,579,255	80,042,222
	APPARATUS DESIGNED TO GROW MONCRYSTAL SEMICONDUCTO	0	72,135					
	MACHINES (SPINNERS) DESIGNED TO COAT PHOTOGRAPHIC CHEMICAL VAPOR DEPOSITION (CVD) APPARATUS INCLUDIN	735,672 48,032,332	689,329 60,963,233					
	PHYSICAL DEPOSITION APPARATUS INCLUDING SPUTTERING	25,002,469	50,986,163					
	MACHINES FOR PRODUCTION & ASSEMBY OF DIODES, TRANS	21,592,346	27,890,379					
	PARTS OF INDUSTRIAL ROBOTS, NESOI	0		7,062,568	4,794,473	3,022,999	7,176,063	6,596,930
		2,768,847	8,119,987	0	0	0	0	0
	PARTS OF POWER SUPPLIES FOR AUTOMATIC DATA PROCESS OTHER PARTS AND ACCESSORIES OF POWER SUPPLIES FOR	0	0	0	0	0	0	0
		3,395,385	5,543,857	3,428,967	2,689,838	7,558,223	11,446,098	1,562,127
	MACHINES AND APPARATUS FOR RESISTANCE WELDING OF M	1,496,437	839,842	1,273,632	1,525,611	7,197,306	1,621,614	2,699,965
	MACHINES AND APPARATUS FOR ARC (INCLUDING PLASMA A	3,855,985	7,832,167	10,570,980	10,126,913	11,920,083	11,174,254	10,638,295
	VIDEOPHONES VIDEOPHONES	2,184,498	4,227,906	2,675,413 0	1,565,230 0	3,457,683 0	6,445,101 0	8,389,658 0
	FACSIMILE MACHINES	0	0	0	0	0	49,605	10,218
	CENTRAL OFFICE SWITCHING APPARATUS	2,878,909	33,267,041	8,333,931	5,172,410	6,115,786	4,395,230	2,499,663
	PRIVATE BRANCH EXCHANGE SWITCHING APPARATUS	1,663,558	1,126,668	402,023	646,621	1,276,850	524,754	482,444
	ELECTRONIC KEY TELEPHONE SYSTEMS	0	0	0	0	0	114,827	240,146
	TELEPHONIC SWITCHING APPARATUS,NESOI TELEGRAPHIC SWITCHING APPARATUS	4,909,308 5,136,637	2,277,819 12,713,375	4,228,894 15,706,896	14,545,027 5,933,308	7,154,745 6,273,640	5,121,964	3,643,107
	MODEMS (MODULATOR-DEMODULATOR APPARATUS) OF A KIND	21,167,994	14,277,125	30,723,715	22,736,486	3,594,654	7,875,612 6,914,868	5,093,271 6,591,732
	CARRIER-CURRENT LINE SYSTEM APPARATUS, TELEPHONIC	41,969,384	35,792,075	19,621,653	14,682,913	12,953,703	10,893,349	9,538,102
8517506000	OTHER APPARATUS, TELEGRAPHIC, FOR CARRIER-CURRENT	459,295	601,736	329,838	2,824,729	2,311,818	1,921,414	1,541,904
	OTHER APPARATUS, TELEGRAPHIC, FOR DIGITAL LINE SYS	11,642,877	100,131,115	106,000,000	125,000,000	150,000,000	208,304,083	225,108,448
	PARTS OF FACSIMILE MACHINES SPECIFIED IN ADDITIONA PARTS OF FACSIMILE MACHINES, NESOI	0	0	0	0	0	0	0
	PARTS OF FACSIMILE MACHINES, NESOI PARTS FOR TELEPHONIC SWITCHING APPARATUS	51,760,184	54,983,943	89,186,196	23,323,734	17,090,822	19,517,966	0 38,271,124
8517902400	PARTS FOR TELEPHONIC SWITCHING APPARATUS PARTS FOR TELEPHONIC SWITCHING OR TERMINAL APPARAT	0	0	0 0	23,323,734	0	19,517,966	0,271,124
	PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA	0	0	0	0	0	0	0
	PARTS OF ARTICLES OF SUBHEADING 8517.20, 8517.30,	0	0	0	0	0	0	0
		0	0	0	0	0	0	0
	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC SWITCHIN PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC APPARATU	0	0	0	0	0	0	0
	PRINTED CIRCUIT ASSEMBLIES FOR TELEGRAPHIC APPARAT	0	0	0	0	0	0	0
		250,796,851	84,827,706	28,503,846	23,803,126	23,291,985	52,222,054	68,768,319
	PARTS, INCLUDING FACE PLATES AND LOCK LATCHES, FOR	0	0	0	0	0	0	0
	PARTS FOR TELEPHONIC APPARATUS FOR SWITCHING OR TE	0	0	0	0	0	0	0
	PARTS OF TELEPHONIC APPARATUS, NESOI PARTS FOR TELEGRAPHIC APPARATUS	11,653,820	73,039,982	0 169,000,000	0 179,000,000	261,000,000	0 206,479,534	290,098,871
	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS	0	0 0	0	0	201,000,000	200,473,334	230,030,071
		2,965,789	4,168,651	713,558	1,323,000	1,107,368		
	VIDEO CASSETTE OR CARTRIDGE RECORDING AND REPRODUC	0	0	0	0	0		
	VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC	0 4,532,638	0 12,648,906	0 43,619,552	0 84,231,511	0	07.045.007	05 000 070
	VIDEO RECORDING OR REPRODUCING APPARATUS EXCEPT MA DISCS FOR LASER READING SYSTEMS, FOR REPRODUCING P	4,532,638	21,324,078	43,019,552	04,231,311	104,000,000	67,945,007	35,802,072
	DISCS FOR LASER READING SYSTEMS FOR REPRODUCING PH	0	0	715,526	671,583	24,641,775	26,084,904	35,145,268
8524310070	LASER DISCS,NOT FOR REPRODUCING SOUND/IMAGE, NESOI	0		21,423,897	29,639,109	11,421,177	14,677,954	23,919,599
	DISCS FOR LASER READING SYSTEMS, NESOI	9,446,792	13,585,859					
	DISCS FOR REPRODUCING REPRESENTATIONS OF INSTRUCTI	0	0	1,827,516	1,538,580	354,540	1,156,240	117,928
	DISCS FOR LASER READING SYSTEMS, NESOI MAGNETIC TAPE RECORDINGS FOR REPRODUCING PHENOMENA	1,037,076	1,668,814	13,186,158 818,764	15,020,427 1,101,331	19,242,982 2,571,617	22,173,028 450,782	24,811,714 886.573
	OTHER RECORDED MEDIA, NESOI, FOR REPRODUCING PHENO	14,748,789	7,243,936	010,701	1,101,001	2,07 1,017	100,102	000,010
	PREPACKAGED SOFTWARE FOR ADP MACHINES, OF A KIND S	0	0	451,039	149,750	7,953,495	13,836,263	26,734,994
	OTHER MAGNETIC MEDIA, FOR REPRODUCING PHENOMENA OT	0	0	7,967,505	18,924,104	10,496,765	5,145,327	4,673,867
	RECORDED MEDIA, NESOI RECORDED MEDIA FOR SOUND OR OTHER SIMILIARLY RECOR	11,065,237	14,568,993 0	18,025,073 0	19,191,937 0	15,059,812 0	33,188,172 0	23,780,726 0
	RADIO TRANSMITTERS,NESOI, CAPABLE OF TRANSMITTING	4,592,644	2,295,711	2,614,663	2,179,280	4,053,076	2,023,900	1,523,935
	RADIO TRANSMITTERS, NESOI, CAPABLE OF TRANSMITTING	611,871	2,247,527	2,602,437	2,534,190	3,856,524	4,299,058	5,690,869
8525107065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	0	0	0	0	0	0	0
	TRANSMIT FR FREQUENCY GT 1000 MHZ,RADIOBROADCAST	0		0	0	0	0	0
	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESO TRANSMISSION APPARATUS, NESOI, FOR CIVIL AIRCRAFT	0 303,943	1 002 604	0 1,022,052	636.082	0 2,408,683	2 052 272	2 050 404
	TRANSMISSION APPARATUS, NESOI, FOR CIVIL AIRCRAFT TRANSMISION APPARATUS, NESOI, FOR RADIOTELEPHONY, RAD	4,398,855	1,093,691 3,633,603	3,970,246	636,082 3,803,463	2,408,683 6,145,111	3,052,273 2,683,229	2,050,404 3,933,453
	TRANSMISION AFFARATOS, NESO, FOR RADIOTELEFHORT, RAD	4,350,035	0	0	0	0,143,111	2,003,229	3,933,433
8525109065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	0	0	0	0	0	0	0
	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	0	0	0	0	0	0	0
	TRANSMISSION APPARATUS FOR RADIOTELEPHONY OR RADIO	0	0	0	0	0	0	0
	RADIO TRANSCIEVERS, HAND-HELD, FOR FREQUENCIES EXC RADIO TRANSCEIVERS, NESOI, FOR FREQUENCIES EXCEEDI	0 79,153,282	0 129,862,830	0 58,987,825	0 24,746,627	0 11,351,069	0 23,608,534	0 9,768,877
	RADIO TRANSCEIVERS, NESOI, FOR FREQUENCIES EXCEEDI RADIO TRANSCIEVERS, EXCEPT HANDHELD, FOR FREQUENCIE	79,153,262	129,862,830	56,967,625	24,740,027	0	23,608,534	9,768,877
	RADIO TELEPHONES DESIGNED FOR INSTALLATION IN MOTO	1,932,887	1,232,407	2,329,180	4,676,620	2,082,098	1,153,413	745,161
	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	1,850,138	1,407,438	1,460,774	1,062,045	1,664,504	110,465,366	57,544,522
	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	0	0	0	0	0	0	0
	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR RADIO AND TELEVISION TRANSMISSION APPARATUS, NESOI	0 50,604,044	0 130,461,397	0 51,001,046	0 47,800,822	0 69,561,357	0 26,432,701	0 15,733,006
	TELEVISION CAMERAS, COLOR	225,950	1,194,414	840,042	1,374,554	3,209,579	5,072,051	3,217,482
8525300070	TELEVISION CAMERAS, EXCEPT COLOR	69,552	149,474	2,800	232,872	126,412	1,855,273	2,520,618
	GYROSTABLIZED TELEVISION CAMERAS	0				0	0	0
	STUDIO TV CAMERAS, EXC SHOLDER-CARRIED & PORTABLE TELEVISION CAMERAS, NESOI, COLOR	0	0	0	0	0	0	0
	TELEVISION CAMERAS, NESOI, COLOR TELEVISION CAMERAS, EXCEPT COLOR	0	0	0	0	0	0	0
	DIGITAL STILL IMAGE VIDEO CAMERAS	52,130	484,246	2,564,290	3,397,059	8,665,335	3,543,992	6,861,370
8525408020	CAMCORDERS, 8 MM	0	0	21,566	73,800	2,554		
	CAMCORDERS (OTHER THAN 8 MM TYPE), NESOI	139,650	63,192	10,070	477,394	580,095	272,993	129,786
0020408085	STILL IMAGE VIDEO CAMERAS AND VIDEO CAMERA RECORDE RADAR DESIGNED FOR BOAT OR SHIP INSTALLATION	385,485 219,648	678,693 288,873	652,628 1,010,867	709,422 395,523	859,625 475,956	3,173,947 178,463	3,809,797 321,093
8526100020		213,040	200,073				170,403	321,083
	RADAR APPARATUS, OTHER THAN APPARATUS DESIGNED FOR	0	0	0	0	0	0	0
8526100040		0 1,666,502	0 168,644	0 137,884	0 334,747	0 543,568	0 259,247	0 331,925
8526100040 8526100070 8526910010	RADAR APPARATUS, OTHER THAN APPARATUS DESIGNED FOR	-	-			-		

	HS Code		2000	2001	2002	2003	2004	2005	2006
SCTTPDOM Mexist Particular Partinte Particular Particular P									
			216,749						
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00228800 CERTING APPACADES NOT DAY AND TO ALL ADD ALL					0	0	0	0	0
BIC 2000 MC MONECOME (C.M. PARTING C.M. PARTING					-				
BICTINGTON ADD HERRINGTON TON NAME ZEEGES 54.47730 HILEGES LIFLEGES LIFLEGES LIFLEGES			0	0	-		-	-	
S1311001 T REDUCTS IN CONTRACT ON INFORMED ALLER COLOR 0 <	8527909755	RADIO RECEIVERS GT 1000 MHZ				545,700	1,810,043		
			-	0					
SCH1200 INCOMPANY DETAILS INTO ADMAINS DET CONTRAGUES DETAILS INTO ADMAINS		· · · · · · · · · · · · · · · · · · ·	-		-	-		-	
BEEDFIDION APPARATO POR IN, COLOR, MICHARMINE Y 1,10,226 590.244 222.111 TUR, SIS 3,140.258 1,240.84 722.845 NO 0			-	0	-	-			
SCH12000 Y. BECCALAMENDARIS NUMBER BER PLANTAGE NUMBER PLANTAGE NUMAR PLANTAGE NUMBER PLANTAGE NUMBER PLANTAGE NUMBER			-	-	-	-	-	•	
BCR11400 T ECCCL.MCD APPARAMENT OF TY. COOR, WEIGHT OF THE APPA APPA APPA APPA APPA APPA APPA AP	8528123600	TV RECP,COL,NON-HD,PROJ,CATH-RAY, W/ VIDEO REC/REP	0				0	0	0
BCD11300 RECEPTION APPAARUMET, ON Y.C.C.D.R., MEADERSHINDOW 0 0					-		0	0	0
S0313000 ECEPTION APPAARUNG FOR TY, COLOR, HORE AT ALLY ANALLY ANAL				0			0	0	0
SED1500 HECHPTON APPARATION TO, MY, ALAY MALES 0 <td></td> <td></td> <td>•</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td>			•	0	0	0			
SCH 31-601 RECEPTION APP. NY, COLO, WITH A LAT PANL, SCH 0			-	0	-			•	
BCB112701 REGENCIA APPARATUR FOR TAQUES (MILLI SERIE TAQUES APPARATURE SECIES) 0 0	8528126401	RECEPTION APP. FR TV, COLOR, WITH A FLAT PANEL SCR			-		-	-	0
BIOLED RECEPTIN APPARE OF T, COLOR, RECEPTING APPARE OF T, COLOR, RECEPTING APPARENTS 0 1 0 0			-	-	-	-	-	•	
B0313400 BECETTOR AFFANTS FOR TELEVISORI, COLOR, WITH A 0	8528127601	RECEPTN APPAR FOR TV, COLOR, INCORPORATING VIDEO R	0		0	0	0	0	0
SEST SECO RECEPTION AFFANATUS FOR TELEVISION, CSC.DK, WITH A PARTER 0<					-				
BC3212000 RECEPTION AFFANTS FOR TELEVISION COLOR, WITH A 0					-	Ō	0	-	
BISBURG VIDD PROJECTIONS, COLOR, RECOMPLETE, NOT NECOMPA 0 0 0 0 0 BISBURG VIDD PROJECTIONS, COLOR, NECOMPLATE, NOT NECOMPA 0 0 0 0 BISBURG VIDD PROJECTIONS, COLOR, NECOMPLATE, NOT NECOMPA 0 0 0 0 0 BISBURG VIDD PROJECTIONS, COLOR, NECOMPLAT, ALSO CAN VIDEO PROJECTIONS, COLOR, NEGON 0			-		0	•			
SE3352000 VIDEO PROJECTORS, CULOR, NECOMPLET, NOT NECOMPORA 0			-	0	-	-			
B2230000 VIDEO PROJECTORS.C.D.G., MCNUEL, WCT, MESO 0 <td< td=""><td>8528302000</td><td>VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA</td><td></td><td></td><td>0</td><td></td><td>-</td><td>-</td><td>0</td></td<>	8528302000	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA			0		-	-	0
BE235000 VIECO FPOLACTORIA CHU DETINICION OR CTAMESO 0 <t< td=""><td></td><td></td><td>-</td><td></td><td>0</td><td>0</td><td></td><td>•</td><td></td></t<>			-		0	0		•	
BS2380601 VECP PROJECHARAT PRE LOCK WEDDER JOLGNED, FLAT 0			-		0	Ŭ			
862350601 RECET, AP, FOR TELEVIS. NEED FORJC. CLOOR, FLAT 0			-		0	0			
Bit2B3700 VIDEO PROJECTIOS, COLOR, NEGORI, NEGORI NECORPORATINO VIDE 0				0	-		-	-	
B2283000 VIECO PROJECTORS, COLOR, REGOI 0			-		0				
SI2290000 PRINTED CREDUIT ASSEMULES, NOT READENLS ON RADENLS OF RADENL			-	0	-	-			
82290100 PINTED CRCUT ASSEMULES, ASSEMULES, ASUBASSEMULES, CO 0	8529900900	PRINTED CIRCUIT ASSEMBLIES, OTHER THAN TUNERS, PRI	-	Ũ	0	0	0		0
B2290100 PRIVTO OR ASSEMULIES ASSEMULIES AND ASSEMULIES AND SUB 0			-	0	-	-	-	•	
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BS2590000 PARTE ORCULT ASSEMBLIES, NOT ASSEMBLIES AND SUB 0 0 0 0 0 0 0 BS2590000 PARTS OF TELEVISION CAMERAS 689,400 111.51 861.078 3,519.069 5,777.997 1483.24 722.94 BS2590007 PARTS OF RELEVISION CAMERAS 513.625 1,049.806 1,244.623 393.445 1,419.592 860.00 2,268.774 BS2590077 PARTS FOR RUDAN ANARTNON, LA DAPARATUS S13.625 1,049.806 1,244.623 393.445 1,419.592 860.00 2,268.774 BS2590477 PARTS FOR RUDAN ANARTNON, LA DAPARATUS 421.475 905.127 5,582.25 6,770.116 6,722.95 5,522.90 3,209.00 BS25990700 MOMITE LONSES ORDERULES, ANDITIONAL U.S. 421.475 905.127 5,582.25 6,770.116 6,722.95 5,522.90 3,209.00 3,209.00 0 <t< td=""><td></td><td></td><td>-</td><td></td><td>-</td><td>-</td><td></td><td>•</td><td></td></t<>			-		-	-		•	
Bit2920200 TRANCE/VER ASSEMULES FOR THE APPARATUS of SUBIEAD 0 0				0	-	-		•	
852990300 PATS OF TRELEVISION RECEVERS, EXCEPT TUNES, SUBAS 0	8529902600	TRANCEIVER ASSEMBLIES FOR THE APPARATUS OF SUBHEAD	•	-	0	•	0		0
82290720 PARTS FOR RADA APPARATUS 513,625 1.49,696 1.246,623 930,495 1.149,592 883,016 2.565,707 852907400 PARTS FOR RADO REMOTE CONTROL APPARATUS 421,475 938,127 5,582,254 6,770,149 6,722,278 5,230,083 3.329,925 852909400 OUNER PARTS OF RENTED CICULT ASSEMULES, INCLUDI 0									
852904760 PARTS FOR RADIO REMOTE CONTROL APPARATUS 421,475 938,127 5,582,254 6,770,149 6,772,1749 6,272,278 5,220,083 3,228,920 852904900 OTHER, PARTS OF PRINTED CIRCUIT ASSEMBLIES, NICLDI 0 <			513,625	-	-	-			
BS22904000 COMBINATION OF PARTS SECIFIED IN ADDITIONAL US. 0									
S252907200 OTHEE PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI 0				330,127					
SE23907000 MOUNTED LENSES FOR TELEVISION CAMERAS & OTHER PART OL 0 <td></td> <td></td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td></td>			0		0	0		0	
852990810 OTHER PARTS OF ARTICLES OF HEADINGS 8255 AND 8527, 0			0	0	0	0	-	0	
8529909540 ASSEMILIES AND SUBASSEMBLIES, CONSISTING OF 2 OR MO 0	8529908100	OTHER PARTS OF ARTICLES OF HEADINGS 8525 AND 8527,	Ő	0	Ő	Ő	0	0	0
s529090560 ASSEMBLIES AND SUBASSEMBLIES CONSISTING OF 2 OR MO 0<			0	0	0	0		•	
S523909740 OTHER PARTS OF RADIO AVIGATIONAL AND APPARATUS (E 0					-				
8529909760 OTHER PARTS OF RADIO REMOTE CONTROL APPARATUS, EXC O O			•	0	0			-	
BisS37109030 NUMERICAL CONTROLLING MACHINE TOOLS 553,459 1,434,097 910,804 191,821 592,315 668,888 991,792 Bis37109050 PANEL BOARDS AND DISTRIBUTION BOARDS, FOR VOLTAGES 0 0 0 0 0 0 5720,856 3,434,742 Bis37109000 MICROWAVE TUBES, NESOI 26,500 130,552 33,200 70,300 599,725 34,617 33,404 Bis40890000 LICHT-SENSING TUBES 21,420 12,839 2,655 28,611 1125,285 78,269 0,400 Bis41100040 UMNOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THA 9,588,852 17,656,856 8,532,207 4,420,273 3,282,977 4,34,493 4,575,322 Bis41100050 MICROWAVE DIODES 6,945,296 6,046,068 6,320,551 2,943,759 3,629,777 4,34,493 4,575,322 Bis41100070 DIODES, OTHER THAN PHOTOSENSITYE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,4593 4,102,329 8,451,594 6,945,937 117,198 58,112,917 8,514,524 4,855,97 6,118,452 7,875,445 3,455,51 2,942,735			-	-	-				
8537109050 PANEL BOARDS AND DISTRIBUTION BOARDS, FOR VOLTAGES 0									
8537109060 PROGRAMABLE CONTROLLERS 4,642,860 6,953,845 9,189,290 11,856,097 14,311,672 23,34,074 52,009,237 8540790000 MICROWAVE TUBES, NESOI 26,500 130,552 33,200 70,300 599,725 346,6117 33,314 8540180000 LIGHT-SENSING TUBES 21,420 12,839 2,655 28,611 125,285 78,289 20,400 8541100001 ZENER DIODES OMEROAVE LIGHT-SENSING TUBES 11,666,656 8,532,207 4,202,703 20,337,882 9,909,913 12,074,485 8541100007 DIDDES OTHER THAN PHOTOSENSITYE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,1189 551,432 8541210007 DIDDES, OTHER THAN PHOTOSENSITYE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,1189 51,432 8541210007 TRANSISTORS OTHER THAN PHOTOSENSITYE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,189 4,875,444 8541210075 TRANSISTORS OTHER THAN PHOTOSENSITYE OR LED, WITH A DISS 0 0 0 0 0 <									
8540890060 LIGHT-SENSING TUBES 21,420 12,839 2,655 28,611 125,285 78,289 20,400 8541100040 UMNOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THAN 9,588,852 17,656,856 8,532,207 4,202,703 20,337,882 9,09,913 12,074,485 8541100050 DIODES OTHER THAN PHOTOSENSITVE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,189 551,322 8541100070 DIODES, OTHER THAN PHOTOSENSITVE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,189 551,322 8541210040 UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE 4,143,747 2,804,436 13,023,864 6,906,026 3,582,554 3,058,996 4,102,329 8541210040 TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS 0	8537109060	PROGRAMABLE CONTROLLERS	4,642,860	6,953,845	9,189,290	11,856,097	14,311,672	23,343,074	52,009,237
8541100040 UNMOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THA 9,588,852 17,656,856 8,532,207 4,202,703 20,337,882 9,909,913 12,074,485 8541100050 ZENER DIODES 940,709 184,667 586,192 418,031 416,783 1,198,681 1,764,283 8541100070 DIODES, OTHER THAN PHOTOSENSITVE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,189 551,332 8541100070 UDIODES, OTHER THAN PHOTOSENSITVE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,189 551,343 8541210040 UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE 4,143,747 2,804,436 1,3023,864 6,906,026 3,582,551 3,085,996 4,122,290 8541210075 TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS 7,197,347 11,587,827 5,852,799 6,118,432 3,556,315 2,923,596 3,150,738 8541290040 TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS 0 0 0 0 0 0 0 0 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
8541100060 MICROWAVE DIDDES 6,945,296 6,046,068 6,320,551 2,943,759 3,829,707 4,346,493 4,875,322 8541100070 DIDDES, OTHER THAN PHOTOSENSITVE OR LED, WIT AMA 106,230 313,960 172,258 340,972 1,643,597 117,189 551,432 8541100080 SEMICONDUCTOR DIDDES NOT PHOTOSENSITVE OR LED, WIT 7,273,198 11,094,215 8,315,473 4,951,502 6,994,732 3,876,822 4,875,344 8541210040 UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE 4,143,747 2,804,436 13,023,864 6,906,026 3,582,554 3,058,996 4,102,329 8541210050 TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
8541100070 DIODES, OTHER THAN PHOTOSENSITVE OR LED, WITH A MA 106,230 313,960 172,258 340,972 1,643,597 117,189 551,432 8541100070 DIODES, NOT HER THAN PHOTOSENSITVE OR LED, WITH A 7,273,198 11,094,215 8,315,473 4,951,502 6,994,732 3,876,822 4,875,944 8541210040 UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE 4,143,747 2,804,436 13,023,864 6,906,026 3,582,554 3,089,996 4,123,28 8541210075 TRANSISTORS OTHER THAN PHOTOSENSITURE, WITH A DISS 7,197,347 11,587,827 5,852,799 6,118,432 3,556,155 2,923,596 3,150,738 8541220040 TRANSISTORS OTHER THAN PHOTOSENSITURE, WITH A DISS 0									
8541100080 SEMICONDUCTOR DIODES NOT PHOTOSENSITVE OR LED, WITT 7,273,198 11,094,215 8,315,473 4,951,502 6,994,732 3,876,822 4,875,944 8541210070 UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHER 4,143,747 2,804,436 13,023,864 6,906,026 3,582,554 3,086,996 4,102,329 8541210075 TRANSISTORS OTHER THAN PHOTOSENSITURE, WITH A DISS 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
8541210075 TRANSISTORS OTHER THAN PHOTOSENSITURE, WITH A DISS 0	8541100080	SEMICONDUCTOR DIODES NOT PHOTOSENSITVE OR LED, WIT	7,273,198	11,094,215	8,315,473	4,951,502	6,994,732	3,876,822	4,875,944
8541210080 TRANSISTORS,OTHER THAN PHOTOSENSITIVE, WITH A DISS 7,197,347 11,587,827 5,852,799 6,118,432 3,556,315 2,923,596 3,150,738 8541210095 TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS 0									
8541290040 UNMOUNTED CHIPS, DICE AND WAFERS FOR TRANSISTORS O 99,083,683 98,097,538 116,000,000 149,000,000 130,000,000 86,741,368 69,260,866 8541290075 TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION 0 <t< td=""><td>8541210080</td><td>TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISS</td><td>7,197,347</td><td>11,587,827</td><td>5,852,799</td><td>6,118,432</td><td>3,556,315</td><td>2,923,596</td><td>3,150,738</td></t<>	8541210080	TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISS	7,197,347	11,587,827	5,852,799	6,118,432	3,556,315	2,923,596	3,150,738
8541290075 TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION 0			0	0	-	-	-	•	
8541290080 TRANSISTORS,OTHER THAN PHOTOSENSITIVE,WITH A DISSI 11,697,318 13,804,725 7,265,250 5,595,927 16,890,271 27,971,123 46,112,919 8541290095 TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
8541300040 UNMOUNTED CHIPS, DICE & WAFERS FOR THYRISTORS, DIA 168,666 42,521 107,014 76,836 365,883 644,838 395,049 8541300080 THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTOSENSIT 1,816,660 618,064 1,093,404 1,947,889 1,660,873 1,250,337 2,290,903 8541400010 UNMOUNTED CHIPS, DICC OR WAFERS FOR THYRISTORS 489,719 236,165 993,139 1,005,627 1,015,306 1,658,787 3,496,768 8541406002 SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS 598,354 1,098,141 3,136,139 1,819,427 768,746 844,536 7,388,600 85414060030 SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP 29,402 489,811 2,033,404 1,009,345 3,958,870 5,342,642 6,097,461	8541290080	TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISSI	11,697,318	13,804,725	7,265,250	5,595,927	16,890,271	27,971,123	46,112,919
8541300080 THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTOSENSIT 1,816,660 618,064 1,093,404 1,947,889 1,660,873 1,250,337 2,290,903 8541406010 UNMOUNTED CHIPS, DICC OR WAFERS FOR PHOTOSENSITVE 489,719 236,165 993,139 1,005,627 1,015,306 1,658,787 3,496,768 8541406010 SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS 598,354 1,098,141 3,136,139 1,819,427 768,746 844,536 7,388,600 8541406030 SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP 29,402 488,811 2,033,404 1,009,345 3,958,870 5,342,642 6,097,461							-		
8541406020 SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS 598,354 1,098,141 3,136,139 1,819,427 768,746 844,536 7,388,600 8541406030 SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP 29,402 489,811 2,033,404 1,009,345 3,958,870 5,342,642 6,097,461									
8541406030 SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP 29,402 489,811 2,033,404 1,009,345 3,958,870 5,342,642 6,097,461									

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16.128.441

19,885,588

US Exports of Advanced Technology Products to China HS Code Commodity Descripton 2001 2000 2002 2004 2005 8541407040 UNMOUNTED CHIPS, DICE AND WAFERS FOR PHOTOSENSITIV 8541407080 PHOTOSENSITIVE TRANSISTERS 153,191 27,541 367,819 10,557 904,123 60,185 80,473 160,639 111.219 218,914 1,195,742 232,826 OPTICAL COUPLED ISOLATORS 592.853 692.356 1.775.421 2.600.031 3.017.156 3.563.999 PHOTOSENSITIVE SEMICONDUCTOR DEVICES, NESOI 7,436,859 15,488,190 499,785 2,403,196 2,626,393 1,653,723 8541500040 UNMOUNTED CHIPS. DICE. WAFERS FOR SEMICONDUCTOR DE 351 338 908 816 1.493.308 1.768.266 2.438.032 20.744.378 17,067,601 10,720,759 3,275,796 8,908,693 SEMICONDUCTOR DEVICES, NESOI 913,893 7,064,905 11,293,366 16,209,170 37,448,451 PARTS FOR DIODES, TRANSISTORS & SIMILAR SEMICONDUC 9,617,121 21.004.986 22.507.690 CARDS INCORP. ELEC. INTEGRATED CRCT (SMART CARDS) 14,522,749 12,679,994 10,588,375 16,271,989 0 MONOLITHIC DIGITAL INTEGRATED CIRCUITS: CARDS INCO. 6 949 512 9 172 585 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, MOS TECHN 345,586 1,748,317 UNMOUNTED CHIPS, DICE WAFERS OF SILICON FOR DIGITA UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON 318 399 499 366 832 235 17,342,561 118,692,332 8542138012 MONOLITHIC I/C'S. DIGITAL, SILICON, (MOS), VOLATIL 0 3.632.310 MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL 0 8542138022 MONOLITHIC INTEGRATED CIRCUITS OF SILICON. DIGITAL 0 MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL 0 0 8542138024 MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL 10,381,536 0 8542138026 MONOLITHIC INTEGRATED CIRCUITS OF SILICON. DIGITAL 0 0 MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL 8,994,456 8542138028 MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL 8542138029 MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL 15,955,266 8542138030 MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL 8542138031 MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL 0

	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	0						
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	0						
8542138034	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0						
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0						
8542138039	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,M	0						
8542138041	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M	0						
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	1,329,863	94,106					
8542138044		696,885 0	5,215,638					
8542138049	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	7,969,229	6,816,861					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0	0					
8542138061		710,519	651,565					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	18,476,040	4,625,633					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	1,214,441	6,339,327					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	440,350	331,250					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	11,035,968 106,271,435	15,789,391 67,340,367					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	106,271,435 180,433	355,738					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	7,133,778	8,587,527					
8542144000		0	51,447					
8542148001		216,437	21,533,782					
	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	431,524	2,810,772					
8542148004 8542148007		2,096,459 45,022	411,764 1,008,515					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	25,204	23.388					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	505,746	17,410					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	3,842,199	2,135,678					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	0	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	1,197,126	513,976					
8542194000 8542198001		382,629 80,477	112,888 147,936					
8542198002		1.009.025	1.842.577					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	7,116	8,720					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	65,806	688,738					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	1,629,794	1,873,284					
8542198092 8542198096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	0 18,401,472	14,877					
8542198098		18,401,472	21,473,834	9,860,152	14,110,982	6,677,040	2,601,108	5,463,832
	CHIPS & WAFERS OF SILICON DGTL MNLTHC IC	Ő		667,000,000	1,350,000,000	1,420,000,000	1,755,248,803	3,095,151,972
8542218010	UNMTD CHP, DICE & WAFR FOR DGTL MNLTHC IC, EX SLCN	0		8,420,946	6,612,664	11,009,943	28,202,617	137,864,895
	MONO INTGR CRCT SLCN DGTL VLTL MEM DRAM LT=16 MB	0				0	0	0
	MONO IC,DIG,DRAM,NOT OVER 1,000,000 BITS	0		16,571,458	2,304,100	4,941,859	829,093	1,605,721
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 1-8 MEGABITS MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 8-16 MEGABIT	0		0	0	0		
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 6-16 MEGABIT	0		0	0	0	0	0
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 64-128 MEGBT	0		0	0	0	0	0
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 128 LT=256MB	0				0	0	0
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 256 LT=512MB	0		100.000.000		0	0	0
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 512MB LT=1GB MNLTHC IC,DGTL,SI,VOLTILE MEM,DRAM, GT 128 MEGABIT	0		160,000,000	221,000,000 0	198,000,000 0	187,164,334	361,056,513
	MONO INTEGR CIRCT SLCN DGTL VOLTL MEM DRAM GT 1 GB	0		0	0	0	0	0
	MONO IC,DGTL,SILCON,VOLATIL,(SRAM)LT 256 KBITS	0		1,865,525	1,830,387	709,047	1,580,672	4,919,918
8542218032	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,SRAM,256KLBT-2MEGB	0		0	0	0	0	0
	MONOLITHIC INTEGRATD CRCT SRAM GT 256 KILOBITS	0		2,137,880	913,595	2,751,765	3,012,541	3,839,571
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,SRAM, OVR 2MEGABIT	0		0	0	0	0	0
8542218041 8542218042	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM, NT OVR 64 KLB MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM,64-512 KILOBIT	0		0	0	0	0	0
	MONOLITHC INTEG CIRCUIT, DIGITL,(EEPROM),64-512 RILOBIT	0		9,584,625	17,659,631	37,814,348	192,179,529	351,241,435
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM,OVER 512KILBT	0		0,000,020	0	0	0	0
8542218051	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM, NT OVR 64KLBT	0		0	0	0	0	0
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM,64-512 KILOBITS	0		0	0	0	0	0
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, (EPROM)	0		664,863 0	976,920 0	2,651,293 0	2,778,282	2,649,469
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM,OVR 512KILOBITS MONOLITHIC IC, DIGITAL, SILICON, NESOI	0		0 17,058,075	0 18,355,769	0 104,000,000	0 21,415,578	0 24,258,574
	MONO IC,DIG,SIL,(ASIC)&(PLA)MICROPROC LT 8 BITS	0		18,545,313	24,810,243	24,501,430	16,562,291	15,376,422
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US Exports of Advanced Technology Products to China HS Code Commodity Descripton 2002 2004 8542218072 IC.DIG.SIL.(ASIC)&(PLA)MICROPROCES 16 BITS 0 5 672 607 7 760 599 3 478 846 MONO 3 939 253 2 519 25 IC,DIG,SIL, (ASIC)&(PLA) MCRPROC GT 32BTS õ 49,326,101 68,554,915 98,431,609 87,050,862 8542218081 MNLTHC IC.SLCN.DIGITAL.EX MICROPROCR.TTL 0 0 0 0 0 3542218082 MNLITHC IC,SLCN,DGTL,EX MICROPROCR,ECL 0 8542218088 MONOLITHIC INTEGRAT CIRCUITS DIGITL. NT MEM.NESOI 0 79.091.108 112.000.000 239.000.000 279.697.007 468 258 212 MNLTHC IC, SLCN, DGTL, EX MICROPROCR, NESOI 542218089 0 0 0 MONOLITHIC IC, DIGITAL, MEMRY, (EXCPT SILCON, NESOI 3.261.401 4.262.092 1.678.560 8542218091 0 1.622.746 1.283.976 MONOLITHIC IC, DIGITAL, EXCPT SILCN OR DIGTL, NESOI 3542218099 34,127,716 32,344,114 22,208,545 8,211,283 17,811,565 0 8542290010 CHPS DCE WERS MONOLITHC INTEGRAT CIRCUIT EXEP DIGL 0 105 000 000 102 000 000 153 000 000 216 618 948 556 531 489 3542290020 MONOLITHIC IC'S, EXE DIGL, OPRAT FREQ GE 100MHZ, NESO 13,992,091 68,258,640 70,981,603 0 43.016.805 52,065,595 MONOLITHIC IC, FREQUENCY LT 100 MHZ, LOGIC, NESOI MONOLITHIC IC, FREQLENCY LT 100 MHZ, LOGIC, NESOI MONOLITHIC IC, FREQLENCY LT 100 MHZ, NESOI MONOLITHIC IC, OPERATING FRQUENCY LT 100 MHZ, NESOI 8542290030 7.931.183 6 577 222 58 807 578 10 789 435 21,272,196 82,791,899 0 47,030,204 19,854,635 28,999,981 48,303,209 8542290040 8542290050 0 37.468.127 59.187.732 68.757.139 46.406.899 56.292.109 542300040 UNMOUNTED CHIPS, DICE, WAFERS FOR MONOLITHIC INTEG 19.046.950 55.015.622 8542300060 MONOLITHIC INTEGRATED CIRCUITS. WITH AN OPERATING 3 811 558 6 268 329 MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING 19,506,236 43,563,622 8542300065 8542300080 MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING 2.425.532 8.127.807 542300090 MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING 11,494,731 12,347,762 8542400075 HYBRID INTEGRATED CIRCUITS, WITH AN OPERATING FREQ 8 141 962 10 000 656 8542400095 HYBRID INTEGRATED CIRCUITS, NESOI 6.176.461 5,336,058 8542500000 ELECTRONIC INTEGRATED CIRCUITS .NESOI. AND MICROAS 10,271,426 12.152.884 INTEGRATED CIRCUITS, WITH FREQUENCY GE 30MHZ 3542600075 9,157,802 4,373,624 5,279,282 12,228,793 25,931,30 8542600095 HYBRID INTEGRATED CIRCUITS. NESOI 0 5.929.281 8.587.750 17.522.012 29.720.862 15.560.253 3542700000 ELECTRONIC MICROASSEMBLIES 7,790,164 16.037.045 29,705,244 21.398.955 86.774.499 8542900000 PARTS FOR ELECTRONIC INTEGRATED CIRCUITS AND MICRO 37 204 915 31 502 834 37 861 093 49 412 030 79 634 758 74 208 476 91 922 673 8543110000 ION IMPLANTERS DESINGED FOR DOPING SEMICONDUCTOR W 18,462,938 11,763,379 7,779,129 33,623,330 55,702,628 42,894,597 63,548,286 PARTICLE ACCELERATORS, NESOI SIGNAL GENERATORS 2,894,074 8,092,836 2,376,117 10,941,950 8543190000 1 853 106 1 694 878 1 229 512 3,775,384 6,559,090 4.558.641 8543200000 4,219,219 9,296,264 8,937,710 6,948,025 8543891000 PVD APPARATUS FOR PROCESS OF SEMICONSUTOR MATS 46 523 808 56 083 803 183 000 000 48 359 809 69 955 589 0 8543892000 PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI 5.340.432 7.539.841 4.350.884 1.722.251 4,668,395 0 8544700000 INSULATED OPTICAL FIBER CABLES WITH INDIVIDUALLY S 6 942 943 9.032.731 13 300 660 8 283 699 5 827 603 6 430 271 7 289 679 NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH 8802110030 1,755,000 1,533,135 382,989 2,302,305 2,266,871 423,144 8802110045 NEW HELICOPTERS, NON-MILITARY, UNLDN WT 998-2000KG 0 388.000 0 886.000 2.498.000 NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH 802120040 16.833.698 0 20.554.655 4,500,000 0 0 8802300030 NEW MULTIPLE ENGINE AIRPLANES NON-MILITARY OF AN 0 6 999 000 3 200 000 0 0 6 036 780 NEW TURBOFAN POWERED AIRPLANES, NON-MILITARY, OF A 34,646,778 8802300040 58.978.831 63.750.057 46.741.606 14,818,000 0 0 NEW MULTI ENG PLANES, NOT TURBOFAN, (4536-15000 KG) NEW AIRCRAFT PASSENGER TRANSPORTS, NON-MILITARY, O 8802300050 5 350 000 18,046,124 3,906,501,455 0 802400040 1,105,828,80 1,478,048,624 1,940,000,000 1,890,000,000 1,490,000,000 3,092,489,31 8802400060 NEW AIRCRAFT CARGO TRANSPORTS NON-MILITARY OF AN 318 586 013 589 979 562 1.000.000.000 0 0 442 657 188 1 073 000 483 802603000 COMMUNICATIONS SATELLITES 1.633.110 1,499,321 8803100010 PROPELLERS AND ROTORS AND PARTS THEREOF FOR LISE IN 4.415.455 1 493 062 692 116 2 503 055 7 534 827 & RTRS & PARTS FOR CVL ARCT, FOR DOD OR USCG 3803100015 PROPS 0 0 8803100030 PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN 0 0 0 0 0 3803100050 PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN 4.432.883 405.050 1,660,891 2.005.918 89.617 147.629 647.668 8803100060 PROPILIES & ROTORS & PARTS THEREOF FOR MILITARY AIR Δ Δ 0 Δ UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL 3.910.439 4.033.689 6.167.223 12.691.593 8803200010 5.695.360 18,709,443 33.603.032 8803200030 UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL UNDERCARRIAGES AND PARTS THEREOF FOR USE IN MILITA Δ 803200050 270,741 19,762 192,043 96,024 4,336,120 2,273,585 346,960 8803200060 UNDERCARRIAGES & PARTS THEREOF FOR MILITARY AIR 0 0 0 0 0 803300010 OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN 206.542.211 256.410.782 249.000.000 264.000.000 308.000.000 511.661.628 719.882.845 8803300015 OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO 0 Δ Λ Δ n 8803300030 0 0 0 0 0 0 OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN 5,275,728 8803300050 1.226.285 1.349.644 4.093.233 5,344,630 2.648.393 2,355,144 803300060 8803903000 PARTS OF COMMUNICATIONS SATELLITES 96 234 108 304 283 257 230 722 697 595 269 294 0 GROUND FLYING TRAINERS AND PARTS THEROF 8805200000 3.892.425 849,432 AIR COMBAT SIMULATORS AND PARTS THEREOF GROUND FLYING TRAINERS AND PARTS THEREOF, NESOI 8805210000 26 500 79 910 72 920 0 0 53.000 13.010,206 805290000 524.271 316.022 659.327 367.259 9001100000 OPTICAL FIBERS OPTICAL FIBER BUNDLES AND CABLES F 20 262 175 47 480 974 3 439 906 5 127 902 3 059 155 5 484 464 20 989 137 OPTICAL FIBERS FOR TRANSMISSION OF VOICE, DATA OR 9001100030 0 0 0 9001100070 OPTICAL FIBERS EXCEPT OF PLASTIC NESOL 0 0 0 0 0 0 0 n 9001100085 OPTICAL FIBERS BUNDLES AND CABLE OTHER THAN THOSE 0 0 0 0 0 0 LENSES, PRISMS, AND MIRRORS, UNMOUNTED, NESOI LENSES, UNMOUNTED, NESOI 9001901000 3.063.323 2.052.844 2.379.860 2.295.489 3.627.856 9001904000 9001905000 PRISMS UNMOUNTED NESO 0 0 0 0 0 9001906000 MIRRORS, UNMOUNTED, NESOI 0 0 0 9001909000 OPTICAL ELEMENTS, UNMOUNTED, NESOI 0 0 0 0 0 9002902000 PRISMS MOUNTED, NESOI 0 0 0 0 0 9002904000 MIRRORS MOUNTED NESOI Ó Ô 0 0 0 9002909500 OPTICAL ELEMENTS, NESOI 0 0 0 0 0 0 0 0 8,892 9005100020 PRISM BINOCULARS FOR USE WITH INFRARED LIGHT 20.062 0 29 559 341 855 36 4 9 1 0 9005804020 OPTICAL TELESCOPES FOR USE WITH INFRARED LIGHT 3,730 0 0 15.585 354.028 11,100 9005804040 OPTICAL TELESCOPES EXCEPT FOR USE WITH INFRARED LI 41.299 86 460 36 926 280.170 257.533 375,841 770.534 9006610040 DISCHARGE LAMP AND FLASHLIGHT APPARATUS CAPABLE OF 0 0 0 0 0 9007914000 PARTS FOR CAMERAS ň ň ň ò Ó 9010410000 DIRECT WRITE-ON-WAFER APPARATUS 65,000 39.776 52.122 13,368 0 9010410040 E-BEAM DIRECT WRITE WAFER, PROJTN OF CIRCUIT PATRN 0 0 0 9010410080 DIRECT WRT WAFER APPT. FOR PROJT OF CIRCUIT. NESOI 0 0 0 9010420000 9010490000 APPARATUS FOR THE PROJECTION OF CIRCUIT PATRNS NES 1,093,875 1.138.000 607,451 3,597,864 4,107,999 515.199 101,730 273,420 2,012,590 670.472 873.615 89.705 3.213.351 9011100000 STEREOSCOPIC MICROSCOPES 1.093.081 404.893 211.325 595 828 1.008.443 435.426 487,179 9011104000 STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE 0 0 0 9011108000 STEREOSCOPIC MICROSCOPES, NESOI 0 MICROSCOPES, FOR MICROPHOTOGRAPHY&CINEMA ETC.NESOI MICROSCOPES, WITH MEANS TO PHOTOGRAPH THE IMAGE 9011200000 135.922 208.632 145.587 157.726 384.657 98.570 693.491 9011204000 Δ 9011208000 MICROSCOPES, EXC WITH MEANS TO PHOTOGRAPH IMAGE 0 0 0 1,168,908 1.476.953 917.595 9011800000 OTHER COMPOUND OPTICAL MICROSCOPES. NESOI 230 878 1 295 931 437 659 482 924 632,683 9011900000 PARTS AND ACCESSORIES FOR COMPOUND OPTICAL MICROSC 745.095 1.418.594 569.933 537.879 673.381 2.018.804 MICROSCOPES OTHER THAN OPTICAL MICROSCOPES; DIFFRA PARTS AND ACCESSORIES FOR MICROSCOPES OTHER THAN O 9012100000 9012900000 2.338.502 995 410 2 173 503 5 404 932 5 430 820 9,647,900 2,557,429 9,294,344 3,080,300 569,272 2,766,664 4,700,467 2,010,180 1,353,193 9013103000 TELESCOPIC SIGHTS FOR RIFLE. NESOI 0 0 0 0 0 0 14,770 37,513 52,484 14,033 8,400 PERISCOPES, TELESCOPES DESIGNED TO FORM PARTS OF M 9013104000 240.344 21,685 9013200000 LASERS, OTHER THAN LASER DIODES 6.547.673 12.472.437 24.921.296 20 834 419 25 199 330 27.932.304 34.407.417 OPTICAL DEVICES, APPLIANCES AND INSTRUMENTS, NESOI 9013800000 8.321.931 5.873.729 3.864.701 8.756.018 5.056.448 16.261.965 9.367.202

9014101000

OPTICAL DIRECTION FINDING COMPASSES

US Exports of Advanced Technology Products to China HS Code Commodity Descripton 9014106040 GYROSCOPIC COMPASSES, OTHER THAN ELECTRICAL FOR US 9014106080 GYROSCOPIC COMPASSES, EXC ELEC, EXC CIVIL AIRCRAFT 0 40 200 0 0 3 354 4,230 GYROSCOPIC ELECTRICAL DIRECTION FINDING COMPASSES 9014107030 0 0 0 0 0 0 9014107040 GYROSCOPIC COMPASSES, ELECTRICAL FOR USE IN CIVIL 54.639 65.330 43.276 91.436 36.327 33.804 86,435 9014107060 OTHER ELECTRICAL DIRECTION FINDING COMPASSES 0 Δ Λ 0 0 0 GYROSCOPIC COMPASSES, ELECTRICAL, EXCEPT FOR USE I 307.605 199,396 1.328.342 323,458 4,507 014107080 37.721 6,293 9014109080 DIRECTION FINDING COMPASSES. EXCEPT FOR USE IN CIV 5.345 102.987 11.290 39.182 OPTICAL INSTRUMENTS AND APPLIANCES FOR AERONAUTICA 83,555 9014202000 313,938 253,083 79,377 84,903 16,952 221,522 9014204000 AUTOMATIC PILOTS FOR AFRONAUTICAL OR SPACE NAVIGAT 2 282 615 6 177 954 1 945 437 2 729 898 879 037 1 935 593 1 167 397 9014206000 ELECTRICAL INSTRUMENTS AND APPLIANCES FOR AERONAUT 1.087.467 3,488,121 770,641 1,367,093 1,620,754 2.276.698 3,528,888 INSTRUMENTS AND APPLIANCES FOR USE IN CIVIL AIRCRA INSTRUMENTS AND APPLIANCES FOR AERONAUTICAL OR SPA 4,743,319 9014208040 4 353 859 4 056 585 4 998 598 5 848 347 6 916 561 8.575.591 13,134 9014208080 30,910 37,910 637,951 160,476 109,678 250,088 9014801000 OTHER OPTICAL INSTRUMENTS FOR NAVIGATION, NESOI 0 0 0 0 0 0 9014802000 SHIP' LOGS AND DEPTH-SOUNDING APPARATUS FOR NAVIGA 210.017 164.735 259.311 488.965 447.873 59.938 87,495 9014804000 OTHER ELECTRICAL INSTRUMENTS AND APPLIANCES FOR NA 0 0 0 0 0 0 Δ 0 OTHER NAVIGATIONAL INSTRUMENTS AND APPLIANCES, NES 9014805000 0 9014900000 PARTS & ACCESSORIES FOR DIRECTION FINDING COMPASSE 3.899.917 3.472.416 2.689.193 2.172.367 1.405.806 PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS 014902080 0 9014904000 PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS 0 0 0 0 9014906000 PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS 0 0 9015100000 RANGEFINDERS 980.478 1.384.710 100.750 14.498 1.679.423 875.548 1.329.310 ELECTRICAL RANGEFINDERS 9015104000 9015108000 RANGEFINDERS. EXCEPT ELECTRICAL 0 0 0 0 0 0 0 9015204000 ELECTRICAL THEODOLITES AND TACHYMETERS 0 0 0 ELECTRICAL SURVEYING LEVELS PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS & APPLNCES 9015304000 0 0 0 0 0 0 0 9015400000 393,658 0 0 135,307 ELECTRICAL PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS AND APPLIA 9015404000 0 0 0 0 9015408000 9015802000 OPTICAL INSTRUMENTS AND APPLIANCES FOR SURVEYING 278 710 1 381 903 327 871 365 999 441.786 770 225 912 361 9015806000 SEISMOGRAPHS 0 0 9015808040 GEOPHYSICAL INSTRUMENTS AND APPLIANCES. NESOI 29 699 059 32 693 531 22 708 221 47 632 338 41 856 856 30 084 394 52 167 064 OTHER SURVEYING INSTRUMENTS AND APPLIANCES, EXCLUD 9,846,536 9015808080 4,836,545 5,011,611 8,842,324 5,485,140 12,954,401 10,730,943 9015900000 PARTS AND ACCESSORIES FOR SURVEYING 6.170.665 10.844.342 7.549.038 20.101.741 18.328.599 9017205000 PATTERN GENERATION APPTS DESIGNED TO PRODUCE MASKS 631.206 7.502.561 3.334.955 903,706 4.967.527 9.055.236 6.477.233 9017207000 OTHER DRAWING MARKING-OUT OR MATHEMATICAL CALLICLA Λ 0 0 Δ HAND OPERATED INPUT DEVICES WHICH TRANSMIT POSITIO 1.107.317 4.072.280 5.399.397 9.896.497 5.367.873 9017208040 5.535.850 4.726.568 ELECTROCARDIOGRAPHS 9018110040 6.390.990 3,820,437 1,372,046 1,553,578 2.925.956 4,595,734 2,780,414 018113000 ELECTROCARDIOGRAPHS 9018116000 PRINTED CIRCUIT ASSEMBLIES FOR ELECTROCARDIOGRAPHS 0 0 0 0 0 0 9018119000 PARTS AND ACCESSORIES FOR ELECTROCARDIOGRAPHS, NESO 0 0 65,933,512 9018120000 ULTRASONIC SCANNING APPARATUS 21 823 935 29 133 958 25 582 824 49 353 971 62 018 393 68 327 370 ELECTRO-DIAGNOSTIC APPARATUS, MAGNETIC RESONANCE 23,351,646 29,441,968 9018130000 19,768,895 20,385,180 26,957,244 49,527,529 22,284,742 9018140000 ELECTRO-DIAGNOSTIC APPARATUS, SCINTIGRAPHIC APPARA 1.958.672 1.916.711 2.308.802 2.387.178 4.869.013 6.512.516 3.022.647 ELECTRO-DIAGNOSTIC APPARATUS FOR FUNCTIONAL EXPLOR 9018194000 6.116.301 5,792,487 8,907,740 20,326,862 20.119.828 17.644.150 16.542.327 9018195500 PATIENT MONITORING SYSTEMS 9 862 222 18.150.448 14 682 420 20.870.529 16 771 439 16 521 623 13 643 508 PRINTED CIRCUIT ASSEMBLIES FOR PARAMETER ACQUISITI 264,032 134,120 483.313 437.021 3,015,423 9018197500 1,536,352 3,931,712 9018199535 ELECTROENCEPHALOGRAPHS (EFG) AND ELECTROMYOGRAPHS OTHER ELECTRO-DIAGNOSTIC APPARATUS, NESOI 1 316 532 884 976 1,087,276 1,584,447 1 338 356 1,157,469 13,524,338 3,315,867 15,406,475 4.385.077 9018199550 3,851,022 2,639,836 5,457,797 14,746,786 9018199560 PART AND ACCESSORIES FOR ELECTRO-DIAGNOSTIC APPARA 12 069 077 16 751 859 22 183 230 23 075 765 19 359 462 28 091 274 31 379 726 9018500000 OTHER OPHTHALMIC INSTRUMENTS AND APPLIANCES AND PA 8.011.233 6.074.997 8.306.631 12.802.231 19.882.622 17,246,414 9,452,786 9018901500 OPTICAL INSTRUMENTS AND APPLIANCES AND PARTS AND A 818 676 3 042 768 742 399 832 601 2.517.266 4.696.712 1 211 830 ANESTHETIC INSTRUMENTS AND APPLIANCES AND PARTS AN 9018903000 3,584,617 5,319,618 4,350,806 3,329,983 5,936,095 7,262,638 6,211,795 ELECTRO-SURGICAL INSTRUMENTS AND APPLIANCES AND PA 7,891,651 9018906000 8,064,740 12.040.839 9,121,620 10,478,052 13,684,045 20,657,972 018906400 9018906800 PRINTED CIRCUIT ASSEMBLIES FOR DEFIBRILLATORS OF S 0 0 0 0 Δ n ULTRASONIC THERAPEUTIC APPLIANCES AND INSTRUMENTS 56.104 10.154 113.629 24.013 16.600 9018907040 84.948 77.729 9018907060 1.151.944 OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE 171 993 1.324.654 2 783 458 2 074 087 2 835 393 2.963.890 9018907080 ELECTRO-MEDICAL INSTRUMENTS AND APPLIANCES AND PAR 2,701,285 3.118.175 7.114.588 5.831.728 6.559.103 18.460.876 21.186.150 9018907540 ULTRASONIC THERAPEUTIC APPLIANCES AND INSTRUMENTS OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE 0 0 n 0 9018907560 0 0 0 0 9018908000 OTHER INSTRUMENTS AND APPLIANCES USED IN MEDICAL 0 0 0 0 0 0 MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS; 552.825 1,175,522 879.347 898,929 1,014,492 9019102000 MECHANO-THERAPY APPLIANCES MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY 9019102010 0 0 0 0 0 9019102020 9019102030 MASSAGE APPARATUS: ELECTRICALLY OPERATED: BATTERY 0 0 0 0 0 MASSAGE APPARATUS, POWERED BY AC ADAPTER 9019102035 0 0 0 0 0 9019102045 MASSAGE APPARATUS, ELECTRICALLY OPERATED (EXCEPT BA 0 0 0 0 0 9019102050 MASSAGE APPARATUS NOT ELECTRICALLY OPERATED 0 0 0 0 0 9019102090 MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS Ó Ô 0 0 0 9019106000 PSYCHOLOGICAL APTITUDE TESTING APPARATUS AND PARTS 0 0 0 OZONE THERAPY, OXYGEN THERAPY, AEROSOL THERAPY, AR ORTHOPEDIC OR FRACTURE APPLIANCES & PTS, NESOI 9019200000 3.331.765 3 983 432 4 053 477 6 888 579 6 638 284 4 682 544 15 349 870 9021100090 0 921,580 853,123 604,107 626,666 634,546 1,137,262 9021110000 ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES 1.978.373 OTHER ORTHOPEDIC OR FRACTURE APPLIANCES AND PARTS 9021198500 136.204 242.501 9021300000 OTHER ARTIFICAL PARTS OF THE BODY AND PARTS AND AC 222 393 279 192 ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES 9021310000 2,330,312 3.214.007 5.584.552 12.195.476 12.407.97 0 9021390000 OTH ARTIFICAL PTS OF THE BODY & PTS & ACCESSORIES 0 984 492 4 101 388 9.613.799 9.141.370 19.913.608 1,475,562 9021400000 HEARING AIDS. EXCLUDING PARTS AND ACCESSORIES 126.103 484.635 1.724.185 1.556.197 2.691.387 4.410.011 PACEMAKERS FOR STIMULATING HEART MUSCLES, EXCLUDIN PARTS AND ACCESSORIES FOR PACEMAKERS FOR STIMULATI 9021500000 9021904080 321,560 53,172 16.959 13,518 22.200 638,351 410,304 9022120000 APPRTUS BASED USE OF X-RAYS FOR MEDICAL. SURGICAL. 11.876.455 21,709,308 19.128.798 18.839.678 20,387,223 45 809 483 36 602 448 865,603 9022130000 APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL, 142,911 43,288 212,262 359,700 611.536 611,678 9022140000 APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL 22 038 974 70.044.186 52.460.023 99.881.340 64.141.535 62.574.446 56.649.054 APPARATUS BASED ON THE USE OF X-RAYS FOR OTHER USE APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA 7.089.289 9022190000 15.483.513 12.028.582 1.636.421 11.359.718 9.082.152 25,465,088 9022210000 1 187 786 2 137 057 2 537 122 3 417 103 1 728 442 5 544 014 2 910 657 9022298000 1.445.399 2.598.144 APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA 1,130,473 1.326.116 522.272 3,613,980 5,941,913 X-RAY TUBES 9022300000 14,212,460 15,324,676 17,748,181 20,013,860 12.721.392 18,256,311 19,158,222 9022900500 RADIATION GENERATOR UNITS 0 0 0 0 0 0 HIGH TENSION GENERATORS, CONTROL PANELS, DESKS, SC PARTS AND ACCESSORIES OF X-RAY TUBES 1,285,590 9022902000 9022904000 205 893 1.415.557 891 344 1.100.919 1,424,736 1 670 379 833.346 62,507 1,640,618 182.919 1.398.275 2.411.369 1,940,114 9022907000 PARTS AND ACCESSORIES OF SMOKE DETECTORS. IONIZATI 0 0 0 0 0 0 PARTS AND ACCESSORIES OF HIGH TENSION GENERATORS, 9022909500 0 0 0 0 0 0 9024100000 MACHINES AND APPLIANCES FOR TESTING METALS 3.993.607 4.630.612 11.850.448 10.490.780 13.556.530 11.965.344 22.976.629 9024800000 OTHER MACHINES AND APPLIANCES FOR TESTING THE HARD 17.938.012 24.292.812 25.134.614 37.529.022 43.091.753 53.174.972 43.820.288 9024900000 PARTS AND ACCESSORIES FOR MACHINES & APPLIANCES FO 6.969.961 11 240 920 15 164 697 27 109 479 26 972 435 21 382 942 32 059 315

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HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
9027202000	GAS CHROMATOGRAPHS	2,795.051	9.224.418	18.663.969	13.333.688	24,789,698	28,893,268	26,122,262
9027205030	ELECTRICAL ELECTROPHORESIS INSTRUMENTS	7,743,754	4,322,363	2,307,779	12,075,685	11,275,908	13,955,198	14,562,211
9027206050	LIQUID CHROMATOGRAPHS	2,483,174	5,826,219	2,928,865	4,208,858	9,417,574	9,585,937	15,172,724
9027209000	CHROMATOGRAPHS AND ELECTROPHORESIS INSTRUMENTS, NE	831,595	1,349,251	1,959,570	1,466,423	5,678,718	4,211,641	7,535,680
9027308020	SPECTROSCOPES, EXCEPT ELECTRICAL USING OPTICAL RAD	11,962	98,000	28,500	48,914	5,500	0	0
9027502000	THERMAL ANALYSIS INSTRUMENTS AND APPARATUS	5,658,894	7,295,587	5,009,652	9,364,380	9,986,157	16,240,569	14,152,516
9027504050 9027505000	ELECTRICAL PHOTOMETERS USING OPTICAL RADIATIONS OTHER CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS,	137,494 3,118,475	205,765 6,192,805	501,181 8,257,681	484,145 9,354,527	845,771 26,012,654	2,098,792	3,943,273
9027509000	INSTRUMENT AND APPARATUS FOR PHYSICAL OR CHEMICAL	4,710,792	14,518,065	10,735,698	14,476,580	16,246,722	30,377,451 22,129,032	36,467,460 25,381,746
9027801000	NUCLEAR MAGNETIC RESONANCES INSTRUMENTS AND APPARA	754,792	2,011,568	1,087,232	1,618,768	1,669,127	1,845,107	1,714,784
9027802000	MASS SPECTROMETERS	2,390,008	9,648,647	13,023,075	17,287,049	24,649,466	24,312,372	42,532,955
9027803100	ELECTROCHEMICAL INSTRUMENTS AND APPARATUS,	3,375,744	3,919,593	4,178,334	5,516,584	3,800,214	7,274,024	8,463,641
9027803200	CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS, NESOI	7,045,117	13,885,599	13,298,146	11,504,593	11,182,382	14,652,071	14,344,912
9027808000	INSTRUMENTS AND APPARATUS FOR MEASURING/CHECKING V	11,433,152	14,259,497	14,868,447	20,812,677	20,638,755	18,788,123	22,471,345
9027902000 9027905430	MICROTOMES PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	251,644 1,382,877	27,539 1,680,424	107,767 1,218,890	281,847 1,562,272	141,531 5,898,984	873,198 13,694,238	1,742,420 7,490,967
	PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	6,024	72,175	238,631	1,562,272	749,522	1,318,706	7,490,967 546,988
	PARTS AND ACCESSORIES OF INSTRUMENTS & APPARATUS F	13,331,096	32,627,936	28,975,006	38,937,226	34,610,219	51,460,986	67,698,928
9029206000	STROBOSCOPES	0	8,187	21,092	84,318	128,120	136,936	174,743
9030100000	INSTRUMENTS AND APPARATUS FOR MEASURING OR DETECTI	3,984,606	7,652,841	6,313,487	5,425,295	5,410,949	9,208,514	15,449,291
9030200000		8,219,639	10,767,873	5,017,850	3,552,910	3,035,293	5,063,068	1,814,559
9030310000	MULTIMETERS APPARATUS TO TEST VOLTAGE OR CURRENT OR RESISTANCE	4,390,169 6,704,045	5,400,605 13,043,580	5,120,295 12,555,221	4,403,972 17,051,258	5,186,104 17,075,496	4,584,043 27,902,346	4,769,298 36,148,308
9030390040	OTHER INSTRUMENTS AND APPARATUS FOR MEASURING OR C	10,596,592	16,154,966	13,394,147	10,816,508	16,193,910	18,917,071	20,261,359
9030400000	OTHER INSTRUMENTS AND APPARATUS. SPECIALLY DESIGNE	28.026.808	77.304.868	46,674,553	41,940,799	68.014.545	50,593,644	57,715,548
9030820000	INSTR AND APPAR FOR MEASURING OR CHECKING SEMICOND	38,753,385	32,512,585	52,610,302	54,718,880	132,000,000	103,401,892	191,332,109
9030906400	PRINTED CIRCUIT ASSEMBLIES OF INSTRUMENTS AND APPA	0	0	0	0	0	0	0
		0	0	0	0	0	0	0
9031410000	OPTICAL INSTRUMENTS FOR INSPECTING SEMICONDUCTOR	18,290,773	34,282,128	52,845,847	45,908,594	110,000,000	76,832,966	116,449,020
9031410020	OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING	0	0	0	0	0	0	0
9031410040 9031410060	OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPE OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING	0	0	0	0	0	0	0
9031494000	COORDINATE-MEASURING MACHINES	0	0	5,029,152	9,450,054	12,176,943	15,134,734	17,960,595
9031804000	ELECTRON BEAM MICROSCOPES FITTED WITH EQUIPMENT SP	0		0	0	0	0	0
9031808060	EQUIPMENT FOR TESTING ELECTRICAL CHARACTERISTICS O	4,242,761	4,103,021	3,961,004	7,772,396	10,251,483	13,861,568	11,288,827
9031900000	PARTS & ACCESSORIES OF MACHINES, NESOI IN THIS CHA	8,400,624	11,841,611	16,479,613	19,491,653	33,997,118	38,124,726	44,010,867
	THERMOSTATS	2,440,796	905,505	2,140,878	4,456,426	5,408,525	5,154,223	3,144,448
9032100030	THERMOSTATS, AIR COND, REFG/HEATING SYS WALL MOUNT THERMOSTATS AIR COND, REFG/HEAT SYS EXC WALL MOUNT	0		0	0	0	0	0
9032100080	THERMOSTATS AIR COND, REFG/HEAT STS EXC WALL MOUNT THERMOSTATS, NESOI	0		0	0	0	0	0
9032810040	HYDRAULIC OR PNEUMATIC INDUSTRIAL PROCESS CONTROL	606,870	901,493	2,705,515	715,234	3,647,238	3,868,859	4.689.935
9032810080	HYDRAULIC AND PNEUMATIC INSTRUMENTS AND APPARATUS	1,165,256	1,140,480	1,869,870	1,948,798	2,129,685	2,029,383	4,778,566
9032893000	AUTOMATIC VOLTAGE AND VOLTAGE-CURRENT REGULATORS	905,595	615,705	8,346,381	2,541,343	3,288,352	2,245,195	5,483,743
9032896020	CONTROL INSTRUMENTS FOR AIR CONDITIONING, REFRIGER	1,524,808	2,597,414	5,109,760	6,163,238	5,734,321	7,259,627	12,293,485
9032896030	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR COMP	7,508,034	10,986,156	7,704,565	10,387,031	11,652,473	7,556,857	8,681,148
9032896040	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR TEMP	895,671	1,288,601	2,213,347	3,149,208	3,766,477	4,053,485	7,228,322
9032896050 9032896060	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR PRES PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR FLOW	168,295 539,955	532,851 589,095	932,465 2,634,379	1,481,329 1,952,960	3,553,066 3,537,221	6,109,598 3,754,709	8,680,572 7,296,136
		7,500	98,260	5,000	1,109,672	172,442	344,896	377,795
9032896075	OTHER PROCESS CONTROL INSTRUMENTS AND APPARATUS, N	5,727,916	7,332,441	12,370,788	16,747,503	9,696,375	8,808,870	10,774,694
9301200000	ROCKET LAUNCHERS & SIMILAR PROJECTORS (MIL)	0		0	8,296			
		0	0	0	0	0	0	0
	OTHER ARMS, EXCLUDING THOSE OF HEADING 9307, NESOI	0	0	0	0	0	0	0
9305108000 9305905000	PARTS AND ACCESSORIES OF REVOLVERS AND PISTOLS, NE PARTS AND ACCESSORIES FOR ARTICLE OF SUBHEADING 93	0	0	0	0	0	0	0
9305905000 9305995000	PARTS AND ACCESSORIES FOR ARTICLE OF SUBHEADING 93 PARTS FOR SUBHEADING 9304.00.20 OR 9304.00.40	0	U	0	0	0	0	0
9306308000	PARTS FOR SUBHEADING 9304.00.20 OR 9304.00.40 PARTS OF CARTRIDGES, NESOI	0	55,130	20,952	20,107	40,163	39.789	30,708
	GUIDED MISSLES	0	00,100	20,002	20,107	40,103	36,600	30,708
	BOMBS, GRENADES, TORPEDOS, & SIML MUNITIONS OF WAR	õ		0	0	Ő	0	Ő
	PARTS FOR GUIDED MISSILES	1,044,620	22,880	0	0	4,575,250		
9306900080	PARTS FOR BOMBS, GRENADES, & SIML MUNITIONS OF WAR	0				0	10,291	0
9810006000	INST & APPRTS NT MFGR IN USA FOR NONPROFIT INST	0		0	0	0	0	0
US Departm	ent of Commerce, Bureau of the Census and MBG Information Services							
US Departme	ent of commerce, bureau of the census and MBG information Services							

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	Totals		\$13,364,482,746		\$29,361,203,695	\$45,692,237,262		\$72,708,770,256
	URANIUM FLUORIDE ENRICHED IN U235	¢12,474,204,042	10,799,667	94,662,489	99,312,061	72,942,160	72,941,994	48,112,459
	URANIUM COMPOUNDS DEPLETED IN U235, NESOI MIXTURES CONTAIN URANIUM DEPLETED IN U235, NESOI			0	0	0	0	0
2844400010	ELEMENTS, ISOTOPES AND COMPOUNDS WITH COBALT-60 RA	0	0	0	0	0	0	0
2844400020 2844400050	RADIOACTIVE ELEMENTS, ISOTOPES AND COMPOUNDS OTHER ALLOYS, DISPERSIONS, CERAMIC PRODUCTS & MIXTURES C	733,151 0	1,481,070 50,763	932,434 470,790	309,557 899,706	2,556 1,439,227	0 877,597	2,936 1,798,253
	ISOTOPES, EXCEPT THOSE OF HDG 2844; COMPOUNDS, INO	639,478	761,674	2,666,615	3,750,510	2,946,646	2,920,213	2,818,056
	QUINONE DRUGS AROMATIC DRUGS	21,805	12,135	8,075 13,750	28,000 88,331	0	9,574,549	6,303,551
	AMFETAMINE, BENZFETAMINE(INN) ETC & SALTS THEREOF	5,532	12,307	13,750	00,331	109,053	167,199 0	166,098 0
2921494300 2922190900	AROMATIC MONOAMINE DRUGS, NESOI AROMATIC AMINO-ALCOHOLS,ETC USED AS DRUGS,NESOI	276,641	37,500	37,500 93,250	74,980	20,594	28,894	20,300
	OTHER AROMATIC AMINO-ALCOHOLS, ETC USED AS DRUGS, NESOT	47,021	49,086	93,230	86,634	51,315	97,154	27,806,086
	AMINO-NAPHTHOLS AND AMINO-PHENOLS,ETC USED AS DRUG	259,050	153,920	331,596	613,391	169,426	338,847	165,943
2922492600 2922492700	AROMATIC AMINO-ACIDS ETC FOR USE AS DRUGS AROMATIC AMINO-ACIDS AND THEIR ESTERS,OTHER THAN T	280,776	467,665	686,296	1,566,633	1,489,162	1,422,574	1,245,781
	OTHER AROMATIC CARDIOVASCULAR DRUGS	36,000	46,602	63,550	66,442	66,687	71,755	136,398
	OTHER AROMATIC AMINO-ALCOHOL-PHENOL DRUGS OTHER AROMATIC CYCLIC AMIDES AND DERIVATIVES FOR U	35,665 234,493	21,301 1,151,489	769,169 574,522	970,744 1,980,627	1,132,421 4,698,920	1,861,380 5,782,741	3,259,614 1,620,646
	NON-AROM ORGAN DERIV OF HYDRAZINE ETC USED AS DRUG	10,100		0	24.000	0	0	0
	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED PR OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED AS	13,103 824,635	456,192	0 411,571	24,698 1,089,357	125,982 78,591	76,659 55,414	70,788 107,668
2931002200	AROMATIC ORGANO-INORGANIC COMPOUNDS USED AS DRUGS	902,400	541,440	541,440	1,148,304	695,310	892,584	1,016,844
	AROMATIC COMPOUNDS CONTAINING AN UNFUSED FURAN RIN AROMATIC LACTONES USED AS DRUGS	135,039 63,590	60,808 53,061	41,760 46,243	58,194 58,224	61,594 60,799	187,304 161,649	793,156 151,914
2932910000	ISOSAFROLE	00,000	00,001	0	0	0	0	0
	1-(1,3-BENZODIOXOL-5-YL)PROPAN-2-0NE TETRAHYDROCANNABINOLS (ALL ISOMERS)			0	0	5,600	0	0
2932995500	BIS-O-[(4-METHYL PHENYL)-METHYLENE]-D-GLUCITOL (DI	553,919	169,514	0	0	957,120	27,535	55,900
	AROMATIC PESTICIDES WITH OXYGEN HETERO-ATOM(S) ON AROMATIC PESTICIDES WITH OXY HETERO-ATOM(S) NESOI	0	0	0	0	0	0	0
2932997000	OTHER AROM HETERO ETC EXCL PROD IN U.S. NT 3 SEC 6	567,000	2,057,488	2,601,453	5,330,995	4,218,824	0 9,478,555	0 36,230,129
	AROMATIC OR MOD AROM DRUGS CONT AN UNFUSED PYR ETC AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINING AN		40,000	266,464 14,998	374,935 6,863	78,360 54,173	436,688 180,450	396,071 105,600
	DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMATIC) CO	46,600	40,000 326,730	3,526	51,700	205,367	180,450 340,547	105,600 26,700
2933330000	ALFENTANIL, AMILERIDINE, BEZITRAMIDE(INN), ETC.					37,520		
	DRUGS CONTAINING AN UNFUSED PYRIDINE RING (WHETHER 5-CHLORO-7-IODO-8-QUINOLINOL (IODOCHLORHYDROXYQUIN	297,631 1,811,795	301,457 1,181,829	190,299	412,051	572,977	210,020	299,740
	OTHER DRUGS CONTAINING A QUINOLINE OR ISOQUINOLINE	3,450	12,708					
	LEVORPHANOL (INN) AND ITS SALTS 4.7-DICHLOROQUINOLINE			0 511,851	12,650 670,225	208,136	0	79,500
2933492000	IODOCHLORHYDROXYQUIN; DECOQUINATE ETC					19,800		
	DRUGS CONT A QUINOLINE OR ISOQUINOLINE ETC, NESOI LOPRAZOLAM (INN), MECLOQUALONE (INN), ETC & SALTS			1,037,412	564,186	1,803,337	1,274,631 0	1,947,496 0
2933592100	ANTIHISTAMINES, INCLUDING ANTINAUSEANTS						0	11,250
	OTHER AROMATIC OR MODIFIED AROMATIC ANTI-INFECTIVE OTHER AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINI	6,840 12,550	8,930 19,078	10,715 24,452	601,629 15,802	1,114,960 0	1,089,386 14,534	566,065 9,318
2933595900	OTHER DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMAT	174,460	70,669	57,320	271,378	14,750	190,809	491,220
	DRUGS CONTAINING A PYRIMIDINE RING (WHETHER OR NOT DRUGS CONT A PYRIMIDINE OR PIPERAZINE RING ETC	0	0	0	0	0	0	0
	OTHER ANTI-INFECTIVE AGENTS		5,750	0	0	0	0	J
	OTHER CARDIOVASCULAR DRUGS OTHER ANALGESICS, ANTIPYRETICS AND NON-HORMONAL AN	230,979 448,115	331,644 231,766					
2933906500	ANTICONVULSANTS, HYPNOTICS & SEDATIVES W/HETEROCYC	1,400,885	1,369,144					
	OTHER DRUGS PRIMARILY AFFECTING THE CENTRAL NERVOU		13,278	460.050	75.001	404.400		
	ALPRAZOLAM, CAMAZEPAM, CHORDIAZEPOXIDE (INN), ETC. ANTI-INFECTIVE AGENTS, NESOI			160,852 0	75,084 24,619	134,166 93,483	270,942 62,220	392,328 456,144
2933995300	CARDIOVASCULAR DRUGS, NESOI			416,480	0	23,202	47,600	34,660
	ANALGESICS, ANTIPYRETICS AND NON-HORMONAL ETC ANALGESICS, ANTIPYRETICS & NON-HORMONAL AGTS NESOI			0 57,556	0 8,284	0 8,100	0 57,558	0 101,315
2933996100	ANTIDEPRESSANTS, TRANQUILIERS ETC, NESOI			4,250	141,581	52,275	160,336	0
	ANTICONVULSANTS, HYPNOTICS AND SEDATIVES DRUGS PRIM AFFECT THE CENT NERV SYSTEM, NESOI			1,706,232 107,910	1,144,500 41,836	83,000 21,544	2,139,469 12,200	2,360,180 0
2934302700	DRUGS W/ A PHENO RING SYS (W/T HYDRO), NESOI			2,233	0	0	6,800	0
	OTHER HETEROCYCLIC COMPOUNDS USED AS DRUGS AMINOREX, BROTIZOLAM, CLOTIAZEPAM (INN) ETC.	5,409,446	410,435	228,196	268,979	129,550	190,552	555,493
2934993000	HETEROCYC CMDPS. USED AS DRUGS, NESOI			305,093	453,695	1,018,921	3,691,367	2,641,599
	PITUITARY (ANTERIOR) OR SIMILAR HORMONES SOMATOTROPIN, ITS DERIVS & STRUCT ANALOGUES	196,645	106,300	50,750	70,000	587,235	3,171,700	1,213,350
2937190000	POLYPEPTIDE, PROTEIN & GLYCOPROTEIN HORMONES, NESOI			154,710	945,605	218,841	123,375	192,018
	ESTROGENS AND PROGESTINS			0	0	0	0	0
	ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN, NESOI			41,279 45,299	282,404 95,840	501,923 71,093	327,631 5,736	479,646 43,102
	ESTROGENS NOT DERIV FROM ANIMAL OR VEGETABLE MATER			120,316	280,835	45,800	45,500	63,575
	PROGESTERONE NOT DERIV FR ANIMAL OR VEGETBLE MATER PROGESTINS NOT OF ANIMAL OR VGTABLE ORIGIN, NESOI			1,164,678 227,623	604,221 273,528	524,364 228,382	1,126,660 226,153	1,061,260 201,620
2937399000	CATECHOLAMINE HORMONES, DERIVS & ANALOGUES NESOI			0	77,796	219,256	495,917	647,755
	HORMONE AMINO-ACID DERIVATIVES, NESOI PROSTAGLANDINS, THROMBOXANES & LEUKOTRIENES			109,730 0	116,128 5,000	356,497 5,270	846,701	4,335,707
2937900000	HORMONES, PROSTAGLANDINS, ETC NESOI			8,214,681	9,527,759	5,192,654	4,713,499	5,891,376
	ESTROGENS AND PROGESTINS ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN	4,435	74,115					
2937921050	OTHER PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN	42,640	82,150					
	ESTROGENS NOT DERIVED FROM ANIMAL OR VEGETABLE MAT PROGESTERONE NOT DERIVED FROM ANIMAL OR VEGETABLE	12,285 563,824	826,993					
	OTHER PROGESTINS NOT DERIVED FROM ANIMAL OR VEGETABLE	51,274	228,182					
2937999550 2940002000	OTHER HORMONES AND THEIR DERIVATIVES, OTHER STEROI	4,148,226	6,018,550 5 854	2 405	0	26 540	040.000	47.005
	D-ARABINOSE OTHER SUGARS, NESOI EXCL D-ARABINOSE	14,076 2,954,684	5,854 2,732,437	3,485 2,946,433	0 4,635,544	36,518 7,848,501	243,800 14,038,100	17,325 15,037,061
	HUMAN IMMUNE BLOOD SERA	0	0					
	FETAL BOVINE SERUM (FBS) OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I	0 0	0 0					
3002100090	OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I	1,298,855	1,806,450	25,200	9,796	0	0	
3002100130	HUMAN IMMUNE BLOOD SERA			25,200	9,796	0	0	0

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
		2000	2001					
	FETAL BOVINE SERUM (FBS) BLOOD FRACTIONS NESOI			0 1,904,672	0 3,603,898	0 8,310,529	0 12,761,088	0 17,241,284
	VACCINES FOR HUMAN MEDICINE	0	0	0	0	0	0	0
3002300000 3002905050		7,852 296,145	8,000 720,789	9,659	26,127	0	0	0
3002905120				0	0	000.040		
3002905150 3004909090		264,073	691,460	201,993	464,730	290,643	241,379	247,617
3004909190	MEDICAMENTS IN MEAS DOSES FOR RETAIL SALE, NESOI			2,751,155	2,329,295	1,889,899	2,183,052	1,647,568
3818000000 3818000010		0 226,180	0 53,530	0 1,138,949	0 23,464,071	0 19,699,388	0 14,034,043	0 20,032,223
3818000090	OTHER CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONI	10,444,420	5,484,211	3,665,508	12,299,665	12,011,277	14,854,731	19,556,367
8401100000 8401200000		0	0	0	0	0	0	92,495 0
8401300000		0	9,216	0	0	19,043	3,000	3,400
8401400000 8411114010		0	0 0	0	18,500 0	0	0	0
8411114010		0	0	0	0	U	0	0
8411124000		0	0	0	5,227,484 0	12,400,000 0	0	1,775,000
8411124010 8411214010		0	0	0	0	0	0	0
8411224000		247,500		0	0	0	76,650	0
8411224010 8411814000						0	0 750,000	0
8411814010		0	0	0	0	0	0	0
8411824010 8411824050				0	0	0	0	0
8411917010	PARTS OF TURBOJETS AND TURBOPROPELLER AIRCRAFT ENG	0	0	Ō	Ō	0	0	0
8411917050 8411919080		0 26,136,831	0 25,414,570	0 24,805,157	0 27.590.522	0 52,721,761	0 68,893,841	0 97,170,317
8411997010	PARTS OF GAS TURBINE AIRCRAFT ENGINES FOR USE IN C	0	0	24,003,137	0	0	00,000,000	97,170,317
8411997050 8411999090		0 3,219,054	0 3.174.644	0 3,586,293	0 4,133,294	0 6,384,189	0 7,911,907	0 8,841,330
8424893000	SPRAYING APPLIANCES FOR ETCHING, STRIPPING OR CLEA	3,219,054	804,970	3,560,293	102,140	8,000	5,692	43,719
8424895000		0	0	0	0	0	335,435	461,276
8427108060 8428900010		172,458	64,594	168,458	0	10,000	2,813 720,354	0 335,060
8428900015		0	0	0	0	0	0	0
8456100000 8456101010		0	0 40,299	0	0 133,100	0	0 23,000	0 619,873
8456101020				10.000		55,550	71,827	0
8456106000 8456108000		28,500		19,000	0	40,240 81,939	246,704	468,683
8456200000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	0	0	0	0	0	0	0
8456201050 8456205000		2,880	10,810	0 38,250	0	15,023 0	0	67,208
8456300000	ELECTRO-DISCHARGE MACHINE TOOLS FOR REMOVING MATL	0	0	0	0	0	0	0
8456301020 8456301050		5,011,900 2,515,468	108,055 4,639,061	900,160 541,293	241,423 719,918	810,564 4,793,307	140,600 12,176,248	1,779,626 9,607,858
8456301070		2,010,100	1,000,001	208,846	0	263,234	42,170	252,928
8456305000 8456910000		2,200	0	21,555 0	35,642 0	72,932 0	125,463 586,942	26,977 1,728,292
84569910000		0	0	0	0	0	0	206,000
8456993005		0	0	0	0	0 2,962	0	0
8456993040 8456993060		0	0	0	0	12,750	0	62,755 0
8456993080		66,500	0	34,600	7,800	0	46,630	1,088,656
8456995000 8456997000		0	0	0	0 16,000	0 102,500	0 891,100	0 302,520
8456999000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI	2,800	6,002	4,438	3,019	79,132	86,126	393,909
8457100015 8457100025	MAC CENTR,AUTO TOOL CNG,VERT-SPIN,Y-AXIS N/O 660MM MAC CENTR,AUTO TOOL CHNG,VERT-SPIN,Y-AXIS OV 660MM	142,461 0	187,903 37,884	0 123,727	133,750 0	458,410 0	314,687 57,131	1,578,739 289,747
8457100035	MACHING CENTERS, AUTO TOOL CHNG, EXCEPT VERTICAL	5	07,004	0	0			
8457100036 8457100039	HORIZONTAL MACHING CENTERS WTIH ATC MACHING CENTERS, AUTO TOOL CHNG, NESOI					0	0	0
8457100060	HORIZONTAL SPINDAL MACHINES (685MM-1016MM)			165,870	0	0	0	0
	HORIZONTAL SPINDAL MACHINES GT 1016 MM					88,902	0	1,959,660
8457200010	MACHING CENTERS, AUTO TOOL CHNG, NESOI UNIT CONSTRUCTION MACHINES (SINGLE STATION), N/C	0	0	0	0	88,902	89,502 0	0
8457300010	MULTISTATION TRANSFER MACHINES, N/C	12 00 1	0	0	0	0	0	35,000
	HORIZONTAL LATHES, MULTIPLE SPINDLE, METAL REMOVIN HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	13,904 40,486	0 29,500	0 149,150	0 185,500	0 415,842	0 329,880	10,000 2,381,275
8458110050	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	0	0	0	0	146,552	984,005	6,022,914
	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL VERTICAL TURRET LATHES, METAL REMOVING, NUMERICALL	133,717 113,075	44,665	0 0	21,400 0	45,320 0	73,084 166,134	175,705 0
8458911080	VERT TURT LATH, MTL REMOV, N/C, EXC MULTI SPIN, NEW	_		0	0	0		
	LATHES FOR REMOV MTL, N/C, MULIT SPIN, NEW, NESOI LATHES FOR REMOV MTL,N/C,EXC MULTI SPIN,NEW,NESOI		34,863	0	0	0	0	0
8459100000	WAY-TYPE UNIT HEAD MACHINES	0	0	0	0	0	94,534	92,257
	DRILLING MACH, METAL, N/C, NEW BOR-MIL MAC,HORIZ SPIN,TABLE TYP,MTL REMOV,N/C,NEW	7,500	172,291	66,000 0	0 0	0	94,320	548,813
8459310040	BOR-MIL MAC, HORIZ SPN, EX TBL TYP, MTL REMOV, N/C, NEW			0		0	0	798,490
	BOR-MIL MAC, EXC HORIZ SPIN, MTL REMOV, N/C, NEW, NESOI	0	0	0	0	34,560	111,673	62,366
	BORING MAC,VERT,MTL REMOV,N/C,OVER \$3025,NEW BORING MACH,EX VERT,MTL REMOV, N/C,OVER \$3025 NEW	0	0	0	0 0	0	35,700	0
	MILLING MACHINES, KNEE TYPE, METAL REMOV, N/C, NEW	92,435	13,126	0	0	0	0	5,885
	MILLING MACH, EXC KNEE TYP, MTL REMOV, N/C, NEW THREADING OR TAPPING MACHINES, METAL REMOVING, N/C	176,796	157,145	84,474 0	168,063 0	170,025 0	193,087 0	549,409 0
8460110080	FLAT SURFACE GRINDING MACHINES, METAL REMOVING, AC	10,393		0	0	273,983	0	98,725
	GRINDING MACHINES EXCEPT FLAT SURFACE, METAL REMOV SHARPENING (TOOL OR CUTTER GRINDING) MACHINES, MET	3,300	104,379	0 39,750	0 39,750	101,822 0	168,105 87,290	0 40,128
8460400060	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI	0	0	0	0	0	0	0
8460404060 8460900060		4,172	3,000	0	2,890 0	0	91,729 0	66,000 0
8460904060			4,989	ő	18,960	445,460	155,800	233,693

US Imports of Advanced Technology Products From China HS Code Commodity Descripton SHAPING OR SLOTTING MACHINES METAL REMOVING N/C 0 0 B461200010 0 0 0 SLOTTING MACHINES, METAL REMOVING 12,097 461204000 8461300060 BROACHING MACH. METAL REMOV. N/C. OVER \$3025. NEW 0 0 0 0 3461304060 BROACHING MACH, METAL REMOV, N/C, NEW 3,100 8461500050 SAWING OR CUTTING-OFF MACHINES METAL REMOVING NU 0 Λ Λ n SAWING OR CUTTING-OFF MACHINES, METAL REMOVING, NU 68,014 461504050 63.732 47.281 0 21.337 723.672 46.810 8461900040 MACHINE TOOLS WORKING BY REMOVING METAL. NESOI, NU 8461903040 PLANING MAC,METAL REMOV,NUM CTRL,OVR \$3025,NEW 0 0 0 8461903080 MAC TOOLS MTI REMOVINUM CTRL OV\$3025 NEW NESOL 0 39,000 0 0 0 0 BENDING, FOLDING, STRAIGHTENING OR FLATTENING MACH 462210080 0 0 0 0 0 0 NUMERIC CONTROL MACH FR BEND SEMICONDUC LEAD, NESOI BENDING, FOLDING, OR FLATTENING MACHINES (INCLUDIN 8462214085 47 745 n 8462218085 621,993 368,473 235,040 415,751 557,165 489.185 772,653 8462310080 SHEARING MACHINES (INC PRESSES), OTHER THAN COMBIN 55.749 14.760 69.521 268.192 24.150 3.973.218 462410080 PUNCHING OR NOTCHING MACHINES (INC PRESSES), INCLU 0 0 311.620 34.500 0 88.197 695,220 8462910060 HYDRAULIC PRESSES METAL FORMING NUMERICALLY CONT 0 0 Δ 0 HYDRAULIC PRESSES, METAL FORMING, NUMERICALLY CONT 249.193 15,750 3462914060 346.401 158,169 56.661 416,843 0 8462990030 MACHINE TOOLS (INCLUDING PRESSES) WORKING BY FORMI 0 0 0 0 8464100040 SAW MACH DESIGND TO SAW BLANK SEMICONDUCTOR WAFERS 0 20,000 0 29,100 219,913 420,965 B464201000 GRIND/POLISH MACH ER PROCESSING SEMICONDCTOR WAFER 678.686 0 89 465 MACH TOOLS FR SCRIBING/SCORING SEMICONDUCTOR WAFER 8464901040 0 0 4.800 0 8464901060 MACH TLS FR SCRIBING/SCORING SEMICONDUCTOR WAFERS 0 0 548 000 50,000 0 0 0 0 0 MACHINE TOOLS FOR WET DEVELOPING OR STRI 559,386 8464906000 8,369 8465100025 WOODWORKING TENONERS,NUMERICALLY CONTROLLED,NEW ROUTERS, NEW, NUMERICALLY, WOODWORKING MACHINES 0 375.166 93.520 3465920055 0 1,460,839 1,869,631 8465950020 BORING MACHINES N/C WOODWORKING NEW 80 210 0 3470500020 POINT-OF-SALE TERMINAL TYPE CASH REGISTERS 71,857,896 109.737.423 144,000,000 138,000,000 74,437,829 75.463.531 191,808,845 ANALOG OR HYBRID AUTOMATIC DATA PROCESSING MACHINE PORTABLE DIGITAL ADP MACHINE, WEIGHING NOT MORE TH B471100000 792 537 370 599 31.123 750 203 10 389 641 4,551,735 10,678,064,512 7,244,793 12,830,320,230 8471300000 11,077,111 22,585,531 632,000,000 4,160,000,000 7,710,000,000 8471410035 DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA 162 629 8.167 167 589 10.720.743 16.416.501 21.751.008 1.920.051 3471410065 DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA 721.800 32,600 930.836 493,831 19.745 0 2.123 8471410095 DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA 1 016 782 2 522 191 53 666 329 231 000 000 348 000 000 201 784 025 375 302 376 236,995,976 94,653,097 8471491035 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 334,697,751 83,229,376 68,298,512 316,852,530 33,022,818 8471491065 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 6.008 0 8.741 8.386 100.106 11.397 13.966 3471491095 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 20,588,471 5.949.718 53.210.134 136.000.000 483.000.000 1.258.366.537 1.717.850.739 8471491500 COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT.WHETH 7 4 2 8 52 762 307 267 190 505 1 081 081 216 387 1 401 497 8471492400 DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V 132,617 2,091,273 232,000,000 394,833,501 59,306 129,417 517,879,327 COLOR CATHODE-RAY TUBE (CRT) MONITORS, ENTERED WIT DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT, ENT 8471492600 0 0 5 267 676 1.507.127 8471492900 716,305 787,639 925,786 1,706,162 12,601,108 24,130,912 55,896,607 8471494200 OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI 4 987 191 9 357 530 3 685 041 4 706 900 8 382 472 11 730 175 19 021 387 8471494850 CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES, ENTERED 91,940 165,420 504,972 530.898 1,236,455 640,654 211.232 8471494875 ADP OUTPUT DEVICES. NESOI. ENTERED IN THE FOR OF S 60 808 54.132 121 513 22 928 507.016 14 071 587 60 881 654 471494895 ADP INPUT UNITS, NESOI, ENTERED IN THE FORM OF SYS 9,400,326 10,457,759 534,031 1,425,475 2,542,587 12,916,647 15,460,697 8471495010 MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT= 10.346 5.600 6.853 4.431 128.000 13.840 FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI 581,047 8471495020 227.865 1,888,236 1,447,750 475.565 423.151 84.015 8471495040 HARD MAGNETIC DISK DRIVE UNITS NESOL ENTERED WIT 1 342 752 363 664 1 393 435 256 311 2 297 075 31 709 774 2 527 843 DISK DRIVE UNITS, NESOI, ENTERED WITH THE REST OF 710,020 3,475,876 3471495060 207,496 353.083 181,366 13,246,302 6,570,288 8471495080 OTHER STORAGE UNITS, NESOI, ENTERED WITH THE REST CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES 414,174 1,074,340 124 380 139 429 232 252 913,770 10,213,388 266 156 954,500 8471496000 791,924 2,458,628 2,943,503 34,457,051 26,768,781 8471498500 UNITS NESOL SUITABLE FOR PHYSICAL INCORPORATION 1,430,171 1.757.007 685.187 515,170 500.401 272.336 2.660.034 3471499000 AUTOMATIC DATA PROCESSING UNITS, NESOI, ENTERED WIT 0 0 8471499500 UNITS, NESOI, FOR AUTOMATIC DATA PROCESSING MACHIN DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 1 260 729 59 225 549 216 283 860 3 626 503 1 469 510 1 366 748 8471500035 39,079 37,482 50,078 1,033,783 261,398 64,694 55,950 8471500065 DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME 12 093 0 30,300 8.950 14.211 471500085 DIGITAL PROCESSING UNITS EXCLUDE SUBHEADING 8471.4 765.980.055 245.314.979 440.000.000 936.000.000 1,060,000,000 1.576.858.243 1.965.635.851 8471601035 COMBINATION INPUT/OUTPUT UNITS WITH COLOR CATHODE 1 659 110 811 655 1,011,657 235 840 73 210 98 550 Δ 3,274,489 COMBINATION INPUT/OUTPUT UNITS WITH A MONOCHROME C 292,584 19.624 8471601065 3,655 134,511 0 59,436 8471601095 COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT, WHETH 25,721,794 17.431.722 30.284.333 50.999.866 19.955.281 34.360.034 40.965.835 144,000,000 471603000 DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V 18,440,173 47.933.729 174.000.000 13.001.910 47.306.155 34.489.157 8471604580 DISPLAY UNITS NESOL NOT INCORPORATING A CRT 96 342 517 223 716 078 1 320 000 000 2 870 000 000 4 870 000 000 5 278 156 699 5 232 383 747 8471605100 LASER PRINTER UNITS INCORPORATING AT LEAST THE MED 152.317.295 353,785,648 437,000,000 132,000,000 276,000,000 571.639.406 866,994,623 8471605200 LASER PRINTER UNITS INCORPORATING AT LEAST THE MED 198 961 951 163.329.064 188,000,000 99.114.042 110.000.000 156 604 226 121.267.297 186,042 3471607040 OUTPUT DEVICES, NESOI, SUITABLE FOR INCORPORATION 1,610,374 7,680,603 177,519 148,187 1,565,395 274,923 INPUT UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPOR OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI 6,112,271 289,156,150 8.292.052 10,713,843 144,885,012 8,631,820 160,584,508 8471607080 2.137.841 8.884.430 9.606.280 8471608000 359,257,255 297,000,000 150,000,000 156,000,000 2.268.388 8471609030 CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES 987 006 4 982 850 2 508 955 2.725.586 2.616.050 4 664 304 399,477 3471609070 1,009,872 2.454.652 2,592,990 640,648 ADP OUTPUT DEVICES, NESOI 1.412.222 101.196 389.651,063 8471609090 ADP INPUT UNITS, NESOI 285.091.534 253,439,509 279,000,000 304.000.000 307.000.000 346.080.548 8471701000 MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT= 877,400 2.019.154 804.907 21.198 3,302,632 4,264,748 1.128.619 17.048.711 2 191 004 8471702000 MAGNETIC DISK DRIVE UNITS FOR AUTOMATIC DATA PROCE 828 434 1.033.579 484 817 4 263 544 3 471 022 3471703000 MAGNETIC DISK DRIVE UNITS, NESOI, WITH A DISK DIAM 123,792 31,306 823.264 3,426,508 1.166.514 1.224.117 1,333,854 8471704035 FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI 105 844 773 85 178 406 109 000 000 81 931 758 68 926 557 45.720.033 37.829.438 8471704065 HARD MAGNETIC DISK DRIVE UNITS, NESOI, NOT ASSEMBL 297,222,671 321,540,522 314,000,000 425,000,000 612,000,000 1,018,524,777 1,233,361,851 7,846,252 8471704095 DISK DRIVE UNITS. NESOI. NOT ASSEMBLED IN CABINETS 1.551.774 16.480.713 27,770,061 12.117.255 11.151.416 1.422.091 3.844.440 7.049.460 16.059.696 34.440.526 3471705035 FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI 21.523.459 29.675.030 14.961.903 8471705065 HARD MAGNETIC DISK DRIVE UNITS, NESOI 1 493 558 1 265 238 1 979 231 21 138 677 52 700 894 60.931.357 102.033.253 8471705095 DISK DRIVE UNITS, NESOI 14,887,719 4,457,678 2,241,612 5,755,045 9,202,013 5,192,249 889,931 1,160,000.000 8471706000 OTHER STORAGE UNITS, NESOI, NOT ASSEMBLED IN CABIN 769.886.086 835 960 509 1.060.000.000 1.230.000.000 1.072.371.133 1.372.972.846 3471709000 OTHER STORAGE UNITS, NESOI 11.610.484 59.090.795 102.000.000 90.126.833 69.215.953 162.049.984 159.936.611 CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPORATION 286,624,337 8,310,488 409,000,000 19,457,522 583,000,000 12,663,015 1,180,000,000 12,981,265 8471801000 8471804000 228,601,874 8,609,598 1,521,930,616 1,568,466,243 55.527.840 45.231.607 8471809000 OTHER UNITS FOR AUTOMATIC DATA PROCESSING MACHINES 10 610 880 5 513 264 24 470 645 31 035 614 53 425 971 105 871 969 251 075 106 8471900000 MACHINES AND UNITS THEREOF FOR PROCESSING DATA, NE 13,926,848 21,338,834 20,541,800 31,361,574 47,195,404 183,159,148 159,665,560 8473300000 PARTS AND ACCESSORIES FOR AUTOMATIC DATA PROCESSIN PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 1.727.113.524 8473301000 8473301040 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 245 646 418 278 000 000 508 000 000 787 000 000 969 536 628 1 775 693 889 8473301080 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 1,529,492,315 2,140,000,000 2,370,000,000 2,960,000,000 3,034,010,636 3.729.743.524 8473302000 PARTS AND ACCESSORIES, INCLUDING FACE PLATES AND L 11 193 480 77,202,172 55 339 984 72.313.710 51.307.494 31.449.471 40,343,663 414,000,000 8473303000 PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING 212.331.480 286.110.983 355.000.000 625.000.000 686.494.706 689.269.376 PARTS AND ACCESSORIES OF THE MACHINES OF HEADING 8 OTHER PARTS AND ACCESSORIES OF PRINTERS FOR AUTOMA 1,704,632,176 17,074,142 2,180,000,000 32,365,765 2,700,000,000 5,371,636 4,200,000,000 4,203,170 8473305000 8473306000 1,609,572,272 4,560,886,603 4,876,655,753 3.377.369 5.989.308 3.931.706 OTHER PARTS AND ACCESSORIES OF AUTOMATIC DATA PROC PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT 8473309000 38.956.381 26,306,571 28.663.069 31.375.969 57.524.094 169,381,756 207,880,030 8473500000 0 0 0 0 0 0 8473503000 PRINTED CIRCUIT ASSEMBLIES EQUALLY SUITABLE FOR US 448,442 1.785.169 914.183 2.070.841 5.329.969 12.008.653 13.504.161 3473506000 PARTS AND ACCESSORIES. INCLUDING FACE PLATES AND L 364.708 1.290.237 121.054 123.460 975.421 1.169.737 1.729.758

2 904 879

3 843 778

18 292 451

38 573 868

73 038 328

25 931 367

33,638,100

8473509000

PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	INDUSTRIAL ROBOTS, NESOI APPARATUS FOR GROWING SEMICONDUCTOR CRYSTALS	0	24,000	35,373 0	0	14,565 0	156,035 0	236,176 0
8479898474	MACHINE TO COAT SEMICONDUCTOR WAFERS WITH EMULSION			0	0	0	0	0
8479898476 8479898490				0 2,914,881	0 913,202	0 276,966	1,772,500 1,075,522	3,500,000 3,118,314
8479898572	APPARATUS DESIGNED TO GROW MONCRYSTAL SEMICONDUCTO			_,		,	.,	-,,
8479898574 8479898576		0	0					
8479898578	PHYSICAL DEPOSITION APPARATUS INCLUDING SPUTTERING	0	0					
8479898590 8479909440	MACHINES FOR PRODUCTION & ASSEMBY OF DIODES, TRANS PARTS OF INDUSTRIAL ROBOTS, NESOI	0	309,290	144,032	100,979	178,112	1,227,434	586,764
8479909540	PARTS OF INDUSTRIAL ROBOTS	5,125	65,502					
	PARTS OF POWER SUPPLIES FOR AUTOMATIC DATA PROCESS OTHER PARTS AND ACCESSORIES OF POWER SUPPLIES FOR	3,544,751 8,623,244	1,627,089 10,840,027	2,546,518 14,509,454	2,485,340 18,841,161	1,684,032 29,357,457	5,352,298 29,391,359	7,691,017 29,974,871
		0,023,244	10,000	49,124	122,950	52,210	104,600	10,848
8515210000 8515310000		0 464,512	124,165 43,591	60,082 65,384	166,936 239,997	872,765 492,808	476,240 1,122,826	327,896 1,028,416
	VIDEOPHONES	404,312	45,551	00,004	233,337	432,000	0	1,020,410
	VIDEOPHONES FACSIMILE MACHINES	36,545 74,079,955	122,868,869	3,963,026 154,000,000	807,837 161,000,000	3,352,841 174,000,000	4,232,690 143,638,491	3,019,840 140,597,494
8517210000	CENTRAL OFFICE SWITCHING APPARATUS	8,737	256,039	845,785	678,276	540,085	66,482	3,313,697
8517302000	PRIVATE BRANCH EXCHANGE SWITCHING APPARATUS	44,155	387,344 2,532,938	53,022 4,087,165	286,438 2,849,494	639,555 5,029,504	929,559	1,055,037
8517302500 8517303000	ELECTRONIC KEY TELEPHONE SYSTEMS TELEPHONIC SWITCHING APPARATUS,NESOI	249,657 1,879,612	2,532,938 242,946	2,461,766	2,849,494 5,789,446	4,156,683	2,469,096 4,444,941	2,629,594 2,515,868
8517305000	TELEGRAPHIC SWITCHING APPARATUS	1,160,911	1,294,932	7,375,771	35,034,956	58,159,799	215,213,766	140,656,977
8517501000 8517505000	MODEMS (MODULATOR-DEMODULATOR APPARATUS) OF A KIND CARRIER-CURRENT LINE SYSTEM APPARATUS, TELEPHONIC	168,357,157 18,163,790	187,413,889 17,494,764	224,000,000 31,723,632	187,000,000 25,921,807	377,000,000 66,529,775	424,001,063 330,130,852	469,644,321 311,773,825
8517506000	OTHER APPARATUS, TELEGRAPHIC, FOR CARRIER-CURRENT	1,801,460	1,699,862	8,476,836	19,458,586	4,222,553	9,890,303	62,831,745
8517509000 8517900400	OTHER APPARATUS, TELEGRAPHIC, FOR DIGITAL LINE SYS PARTS OF FACSIMILE MACHINES SPECIFIED IN ADDITIONA	30,540,387 26,975,661	3,882,196 24,322,674	75,644,418 30,990,189	213,000,000 32,390,752	471,000,000 33,914,072	828,594,907 24,215,268	1,487,605,041 21,544,302
8517900800	PARTS OF FACSIMILE MACHINES, NESOI	14,557,803	14,016,752	12,090,758	9,315,921	20,545,925	38,649,193	36,935,316
8517902000 8517902400	PARTS FOR TELEPHONIC SWITCHING APPARATUS PARTS FOR TELEPHONIC SWITCHING OR TERMINAL APPARAT	0 10,062,590	0 17,077,333	0 5,957,867	0 7.440.906	0 7,282,753	0 15,394,289	0 19.667.205
8517902600	PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA	317,283	86,136	194,150	301,066	523,701	501,624	748,066
8517903200 8517903400	PARTS OF ARTICLES OF SUBHEADING 8517.20, 8517.30, PARTS OF TELEPHONIC AND TELEGRAPHIC SWITCHING APP	2,387,591 11,937,208	3,395,456 1,539,879	3,121,513 6,634,979	2,271,811 9,508,537	3,364,043 6,240,753	5,075,090 5,279,334	5,594,086 12,833,897
8517903600	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC SWITCHIN	88,772,586	75,532,931	63,793,242	37,849,676	60,288,980	90,958,195	110,747,584
8517903800 8517904400	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC APPARATU PRINTED CIRCUIT ASSEMBLIES FOR TELEGRAPHIC APPARAT	102,495,746 5,488,953	62,120,304 6,291,465	40,825,887 11,723,993	27,725,824 131,000,000	35,324,835 341,000,000	60,851,062	42,186,882 320,534,187
8517905000	PARTS,NESOI,FOR TELEPHONIC APPARATUS	0	0,231,403	0	0	0	316,953,489 0	0
8517905200	PARTS, INCLUDING FACE PLATES AND LOCK LATCHES, FOR	2,493,918	918,554	2,109,024	4,306,769	3,072,826	3,270,747	4,556,899
8517905800 8517906400	PARTS FOR TELEPHONIC APPARATUS FOR SWITCHING OR TE PARTS OF TELEPHONIC APPARATUS, NESOI	2,363,114 40,567,646	1,449,602 41,007,430	3,235,106 34,414,150	2,968,146 37,326,739	3,753,447 42,314,534	2,602,659 44,328,746	6,492,110 75,536,005
	PARTS FOR TELEGRAPHIC APPARATUS	0	0	0	0	0	0	0
8519990045 8521100000	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS VIDEO RECORDING OR REPRODUCING APPARATUS, WHETHER	657,676,103 0	697,224,898 0	847,000,000 0	701,000,000 0	634,000,000 0	532,423,107	355,984,277
8521106000	VIDEO CASSETTE OR CARTRIDGE RECORDING AND REPRODUC	466,652,987	392,077,753	340,000,000	197,000,000	116,000,000		
8521109000 8521900000	VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC VIDEO RECORDING OR REPRODUCING APPARATUS EXCEPT MA	2,016,737 609,892,848	1,109,502 1,263,515,900	177,335 2,170,000,000	4,368,380 2,470,000,000	963,126 3,030,000,000	2,882,044,808	3,402,295,464
8524310000	DISCS FOR LASER READING SYSTEMS, FOR REPRODUCING P	0	0					
8524310030 8524310070	DISCS FOR LASER READING SYSTEMS FOR REPRODUCING PH LASER DISCS,NOT FOR REPRODUCING SOUND/IMAGE, NESOI	1,183,740	5,971,095	2,494,311 2,290,161	2,038,570 5,012,683	625,798 5,788,795	5,056,268 3,838,479	5,897,610 5,620,810
8524390000	DISCS FOR LASER READING SYSTEMS, NESOI	0	0					
8524394000 8524398000		19,459,335 1,182,616	24,567,826 3,856,731	13,479,436 12,749,226	41,086,171 11,429,075	58,067,111 8,125,029	79,809,881 13,162,837	60,626,324 17,651,875
8524400000	MAGNETIC TAPE RECORDINGS FOR REPRODUCING PHENOMENA	31,966	9,773	3,094	63,867	99,869	13,315	71,695
8524910000 8524910030	OTHER RECORDED MEDIA, NESOI, FOR REPRODUCING PHENO PREPACKAGED SOFTWARE FOR ADP MACHINES, OF A KIND S	0 806,912	0 444,254	1,094,580	2,490,036	3,267,009	2,991,173	4,546,348
8524910070	OTHER MAGNETIC MEDIA, FOR REPRODUCING PHENOMENA OT	1,086,359	1,065,963	787,151	1,244,843	232,708	180,172	306,328
8524990000 8524994000	RECORDED MEDIA, NESOI RECORDED MEDIA FOR SOUND OR OTHER SIMILIARLY RECOR	0 6,672,345	0 5,416,863	0 9,805,392	0 6,548,021	0 9,423,668	0 20,009,026	0 12,825,402
8525106070	RADIO TRANSMITTERS,NESOI, CAPABLE OF TRANSMITTING	0,072,343	0	3,003,332	0,040,021	3,423,000	20,009,020	12,023,402
		0	0	0	0	0	0	0
	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE TRANSMIT FR FREQUENCY GT 1000 MHZ,RADIOBROADCAST	216,548	33,397	22,892 68,727	10,160 294,946	234,464 0	160,571 259,443	410,358 525,318
8525107090	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESO		19,409	1,279,297	871,111	422,416	369,228	1,112,702
	TRANSMISSION APPARATUS,NESOI,FOR CIVIL AIRCRAFT TRANSMISION APPARATUS,NESOI,FOR RADIOTELEPHONY,RAD	0 0	0 0	0 0	0 0	0 0	0	0 0
8525109025	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	1,378,786	439,441	201,983	724,064	481,074	390,464	325,509
	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	49,882 1,480,904	2,041,041 3,428,042	4,909,093 1,123,217	4,946,738 428,825	6,458,282 787,900	4,667,439 33,889,170	7,038,711 9,464,152
8525109090	TRANSMISSION APPARATUS FOR RADIOTELEPHONY OR RADIO	577,101	9,809,541	10,390,357	29,942,091	56,388,237	132,056,335	114,929,443
	RADIO TRANSCIEVERS, HAND-HELD, FOR FREQUENCIES EXC RADIO TRANSCEIVERS. NESOI. FOR FREQUENCIES EXCEEDI	147,737,524	175,857,655 0	355,000,000 0	737,000,000 0	876,000,000 0	153,456,058 0	131,730,014
8525203080	RADIO TRANSCIEVERS, EXCEPT HANDHELD, FOR FREQUENCIE	16,312,057	5,407,611	6,543,552	13,415,865	23,515,215	14,742,564	29,380,030
	RADIO TELEPHONES DESIGNED FOR INSTALLATION IN MOTO RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	748,054	122,750 0	73,929	556,261 0	318,970 0	730,855 0	5,481,851 0
8525209060	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	52,744	20,940	1,523,260	427,262	828,233	3,602,967	2,579,811
	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR RADIO AND TELEVISION TRANSMISSION APPARATUS, NESOI	280,772,544 14,879,727	614,093,134 38,725,855	1,440,000,000 131,000,000	1,970,000,000 117,000,000	4,310,000,000 264,000,000	8,457,345,725 592,087,968	10,899,631,782 709,127,453
8525300020	TELEVISION CAMERAS, COLOR	14,879,727	0	0	0	204,000,000	592,087,908 0	109,121,455
	TELEVISION CAMERAS, EXCEPT COLOR	0	0	0	0	0	0	0
	GYROSTABLIZED TELEVISION CAMERAS STUDIO TV CAMERAS, EXC SHOLDER-CARRIED & PORTABLE			18,523	3,224	90,931 5,899	12,410 95,213	248,829 103,916
8525309005	TELEVISION CAMERAS, NESOI, COLOR	87,983,755	66,293,237	51,319,383	56,434,773	88,013,264	130,090,111	184,098,218
	TELEVISION CAMERAS, EXCEPT COLOR DIGITAL STILL IMAGE VIDEO CAMERAS	12,856,268 174,505,466	10,226,092 175,709,257	6,346,583 637,000,000	15,524,138 1,300,000,000	12,223,904 2,060,000,000	13,477,518 2,478,670,555	18,432,649 2,759,939,912
8525408020	CAMCORDERS, 8 MM	202,858,924	130,515,357	20,538,480	52,746,847	48,971,383		
	CAMCORDERS (OTHER THAN 8 MM TYPE), NESOI STILL IMAGE VIDEO CAMERAS AND VIDEO CAMERA RECORDE	170,321 25,985,220	53,342 18,745,337	912,675 9,358,129	14,691,540 21,746,347	48,879,726 15,580,200	41,248,267 47,385,347	231,228,582 76,114,656
8526100020	RADAR DESIGNED FOR BOAT OR SHIP INSTALLATION	2,540,318	2,190,852	1,312,844	1,517,047	1,690,344	2,390,952	3,880,253
	RADAR APPARATUS, OTHER THAN APPARATUS DESIGNED FOR RADAR APPARATUS NESOI	1,949,976 0	2,617,043 0	4,075,809 0	130,560 0	140,284 0	52,018 0	379,803 0
8526910010	RADIO NAVIGATIONAL AID APPARATUS FOR USE IN CIVIL	0	0	0	0	0	0	0
8526910020	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	137,993	13,092,625	37,223,602	38,520,261	37,271,488	90,800,942	183,206,611

	05 Imports of Advan		lology FI	ouucisii		a		
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
8526910030	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	0	0	0	0	0	0	0
8526910040	RADIO NAVIGATIONAL AID APPARATUS, NESOI	119,849	365,245	2,323,571	22,110,514	27,615,491	71,883,128	183,252,883
8526910070 8526920000	RADIO NAVIGATIONAL AID APPARATUS,NESOI RADIO REMOTE CONTROL APPARATUS	0 21,203,198	0 18,519,293	0 20,604,340	0 29,403,446	0 32,704,866	0 31,792,256	0 37,017,639
8527905000	INFANT NURSERY MONITOR SYSTEMS, PACKAGE CONSISTING	30,645,464	27,834,800	27,448,962	30,976,953	31,407,902	27,125,345	31,908,180
8527908045	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS	0	0					
8527908055 8527908075	RADIO RECEIVERS,NESOI,CAPABLE OF RECEIVING SIGNALS RECEPTION APPARATUS FOR RADIOTELEPHONY,RADIOTELEGR	0	0					
8527909550	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	78,944	756,560	869,628	547,310	886,281	750,931	599,955
8527909560	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	5 000 007	2,184	6,890	0	0	9,583	11,272
8527909590 8527909745	RECEPTION APPARATUS FOR RADIOBROADCASTING OR RADIO RADIO RECEIVERS (400 - 1000 MHZ)	5,383,267	9,195,446	1,445,932 0	1,084,596 0	1,804,300 0	2,440,790 0	6,482,416 0
				0	0	0	0	0
	RECEPTION APPARATUS RADIO COMMUNICATIONS,NESOI TV RECEIVERS INCOMPLETE OR UNFINISHED ASSEMB, COLO	8,534	52,828	0 246,797	0 188,176	0 961,083	0 938,824	0 698,064
8528121201	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	36,853,644	10,348,618	1,911,088	20,981,322	29,730,308	26,704,637	42,425,940
	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	15 5 10 570	5,365	5,615,328	0	568,552	1,863,885	4,743,391
8528122800 8528123000	RECEPTION APPAR FOR TV, NON-HI DEF, COLOR, SINGLE PIC RECEPTION APPARATUS FOR TV, COLOR, INCORPORATING V	15,549,578 0	5,563,379 0	822,976 0	17,876,778 0	173,000,000 0	57,286,328 0	63,484,958 0
	TV RECP,COL,NON-HD,PROJ,CATH-RAY, W/ VIDEO REC/REP	-	-	-	-	20,039	0	1,438,371
8528124000	RECEPTION APPA FOR TV,COLOR, NON-HIGH DEFINITION,		16,597,170	10,715,664 0	6,911,936	117,055	2,600	2,810,638
	TV REC,COL,HI-DEF,NON-PROJ,CATH-RAY TUBE W/REC REP RECEPTION APPARATUS FOR TV, COLOR, HIGH-DEFINITION	4,000	5,847	6,662	10,477,308	2,528,376	6,838,759	6,577,905
	TV RECP,COLOR,HD,PROJ,CATH-RAY, W/ VIDEO REC/REP					0	76,338	147,600
8528125600	RECEPTION APPARATUS FOR TV, COLOR, HIGH DEFINITION	8,000	15,203	3,534 2,813,560	8,000	658,565 14,506,648	0	37,696
8528126201 8528126401	RECEPTION APPARATUS FOR TV,CLR, W/ A FLAT PANEL SC RECEPTION APP. FR TV, COLOR, WITH A FLAT PANEL SCR	16,912	113,400 563,200	2,813,560	16,018,083 36,011	12,275,384	71,374,669 65,600,207	97,545,440 241,126,694
8528126801	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN	5,637,875	5,323,464	11,076,256	31,250,027	68,543,667	80,697,572	98,901,630
8528127201 8528127601	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN	325,140 123,840	1,788,637	1,480,530 1,874,344	35,637,314 637,859	283,000,000	994,591,384 2,878,048	2,230,578,689
8528127601 8528128001	RECEPTN APPAR FOR TV, COLOR, INCORPORATING VIDEO R REC TV,COLOR,VIDEO RECORD OR REPRODUCE,EXC 34.29CM	123,040	1,061,500	1,874,344 5,204	26,842	1,309,902 30,008	2,878,048 9,419	2,395,330 9,163,803
8528128401	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A	174,528		71,272	0	180,105	94,941	5,972,846
8528129200 8528129300	RECEPTION APPARATUS FOR TELEVISION , COLOR, WITH A RECEPTION APPARATUS FOR TV, COLOR, WITH A PRINTED	181,972	3,987,022 27,502,537	3,558,018 51,249,379	724,436 57,119,753	74,279,611 48,196,971	409,783,025 49,903,151	747,617,573 34,742,575
8528129300	RECEPTION APPARATUS FOR TELEVISION , COLOR, WITH A PRINTED	172,374	917,242	327,761	3,452,460	5,957,022	9,661,482	45,465,501
8528301000	VIDEO PRJOJECTORS, COLOR, INCOMPLETE, NOT INCORP A		45,500	0	0	66,500	1,155,205	81,539
	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA VIDEO PROJECTORS,CLR, NON-HI DEF,W/CRT,W/ REC/REP		3,175	294,000	887,758	354,381	151,062 0	174,931 130,445
	VIDEO PROJECTORS, CLR, NON-HD, W/ CRT, NESOI		3,352	0	0	5,064	0	143,194
8528306000	VIDEO PROJECTORS,COLOR,HI DEFINITION W/ CRT,NESOI						0	2,270,012
8528306201 8528306401	VIDEO PROJ,CLR,FLAT PNEL SCR,W/REC/REP,LT=34.29 CM VIDEO PROJ,CLR,FLAT PNEL SCR,W REC/REP GT 34.29 CM			0	2,500	267,130 2,500	68,000 0	154,224 8,829
8528306601	RECEPT. APP. FOR TELEVIS. VIDEO PROJ, COLOR, FLAT	255,750	21,116,469	36,318,927	210,000,000	497,000,000	659,322,924	967,816,683
8528306801	RECEPT. APP. FOR TELEVIS. VIDEO PROJECT, COLOR, F	4.000	258,400	0	266,052	154,747	1,389,973	2,145,369
8528307200 8528307800	VIDEO PROJECTORS, COLOR, NESOI, INCORPORATING VIDE VIDEO PROJECTORS, COLOR, NESOI	4,200 4,200	4,397	2,906 13,334	7,416 26,639	0 342,260	29,315 490,238	239,531 1,982,159
	PRINTED CIRCUIT ASSEMBLIES, OTHER THAN TUNERS, PRI	5,371	4,007	7,822	73,637	3,614,186	2,588,220	131,119
8529901620	PRNT CIR ASSEMBLS, ASSEMBLS & SUBASSEMBLS OR RADAR	64.400	27.200	24,244	36,019	11,493	2,557	25,429
8529901640 8529901660	PRINTED CIRCUIT ASSEMBLIES, ASSEMBLIES, & SUBASSEMBL PRNTD CIR ASSEMBLIES, ASSEMBLIES & SUBASSEMBLIES CO	64,198 533,302	37,260 165,680	9,463 187,193	40,000 178,268	53,320 336,426	69,240 409,778	37,193 649,113
8529901920	PRNTD CIR ASSEMBLS, NOT ASSEM & SUBASSEM, OF RADAR	,	,	0	0	5,980	0	12,546
	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB	222 550	4,066	58,201 307,165	449,255 735,769	79,063 570,270	79,720	1,572,631
	TRANCEIVER ASSEMBLIES FOR THE APPARATUS OF SUBHEAD	232,559	285,941 6,500	8,673	82,775	19,275	463,136 379,000	370,679 485,186
8529903000	PARTS OF TELEVISION CAMERAS	0	0	0	0	0	0	0
	PRTS OF TELEVISION RECEIVERS, EXCEPT TUNERS, SUBAS PARTS FOR RADAR APPARATUS	4,486,331	1,235,425	575,479 0	3,122,911	51,769,302 0	112,106,430 0	49,936,902 0
	PARTS FOR RADIO NAVIGATIONAL AID APPARATUS (EXCEPT	ő	ő	0	0	0	0	0
	PARTS FOR RADIO REMOTE CONTROL APPARATUS	0	0	0	0	0	0	0
8529904900 8529906300	COMBINATION OF PARTS SPECIFIED IN ADDITIONAL U.S. OTHER.PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI	245,339	2,700	739,000 0	280,224	179,582 0	426,136 16,768	523,094 37,677
	OTHER PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI	282,720	228,887	233,395	354,725	572,850	534,596	385,566
	MOUNTED LENSES FOR TELEVISION CAMERAS & OTHER PART	050 407	30,725	75,984	145,649	352,522	935,196	1,626,930
	OTHER PARTS OF ARTICLES OF HEADINGS 8525 AND 8527, ASSEMBLIES & SUBASSEMBLIES, OF RADAR APPARATUS	253,487	669,856	243,067	450,430	535,373 129,597	1,761,749 344,437	3,937,538 57,771
8529909540	ASSEMBLIES AND SUBASSEMBLIES, CONSISTING OF 2 OR MO	58,249	22,698	12,084	68,839	515,541	736,990	209,881
		435,367	155,527	285,341	457,225	485,233	155,992	409,754
	OTHER PARTS OF RADAR APPARATUS, EXCEPT ASSEMBLIES OTHER PARTS OF RADIO NAVIGATIONAL AID APPARATUS (E	63,730	3,084 360,552	2,267 786,414	0 1,419,411	2,500 542,880	6,926 1,669,041	900,692 5,289,430
8529909760	OTHER PARTS OF RADIO REMOTE OCNTROL APPARATUS, EXC	465,536	259,849	125,176	236,984	846,237	1,192,115	1,646,049
	PRINTED CIRCUITS HAVING A BASE OF PLASTIC IMPREGNA NUMERICAL CONTROLS FOR CONTROLLING MACHINE TOOLS	182,113,984	130,011,985	132,000,000 0	154,000,000	183,000,000	231,848,682	334,481,928
	PANEL BOARDS AND DISTRIBUTION BOARDS, FOR VOLTAGES	32,436 9,121,734	48,630 7,444,167	5,890,487	6,700 5,819,908	7,083 18,644,637	57,750 20,919,141	1,273,424 22,878,405
8537109060	PROGRAMABLE CONTROLLERS	49,815,895	43,317,283	48,943,980	42,310,779	59,883,612	93,785,621	112,348,597
	MICROWAVE TUBES, NESOI LIGHT-SENSING TUBES	0 64,404	0 69,455	0 1,344,061	0 4,148,912	0 5,927,730	0 6,584,456	492,000 7,748,036
	UNMOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THA	732,862	850,292	1,355,741	2,762,210	1,632,952	2,225,853	2,947,241
8541100050	ZENER DIODES	4,564,117	6,655,954	15,836,575	9,843,661	13,821,916	14,542,998	21,548,344
		334,300 2,619,134	28,778 3,538,910	198,428 5,649,982	143,359 6,117,948	842,923 7,957,242	2,027,945 7,732,621	458,312 11,773,994
		62,701,507	42,060,273	56,036,869	66,322,874	89,075,479	97,927,595	112,760,669
	UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE	3,241,123	1,576,023	6,063,142	2,621,652	579,546	1,303,755	4,228,317
	TRANSISTORS OTHER THAN PHOTOSENSITURE, WITH A DISS TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISS	3,390,661 0	929,963 0	1,384,928 0	2,817,495 0	6,655,071 0	8,997,711 0	10,305,661
	TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISS	21,807,333	24,489,216	41,248,722	33,470,499	43,936,413	46,669,237	54,399,359
	UNMOUNTED CHIPS, DICE AND WAFERS FOR TRANSISTORS O	3,051,333	3,205,740	2,952,245	2,700,939	3,442,866	3,228,430	2,356,536
	TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISSI	54,050 0	1,142,913 0	964,123 0	1,695,354 0	3,317,240 0	2,542,773 0	1,989,759 0
8541290095	TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION	50,757,169	29,279,252	26,874,499	27,364,113	34,263,133	42,188,092	64,957,148
8541300040	UNMOUNTED CHIPS, DICE & WAFERS FOR THYRISTORS, DIA	2,700	0 874 495	25,471	33,062 2 879 456	69,627 2,690,502	108,644	181,726
	THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTOSENSIT UNMOUNTED CHIPS, DICE OR WAFERS FOR PHOTOSENSITIVE	704,078 211,363	874,495 127,321	2,639,307 152,145	2,879,456 62,746	2,690,502 90,576	23,611,453 133,519	27,922,862 113,266
8541406020	SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS	13,310,343	19,023,699	7,442,222	13,168,778	11,267,735	21,329,410	68,245,920
	SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP	121,318 6 363 338	191,803 6 244 566	85,967 9 886 660	119,157 5 035 850	423,218	856,137 8 848 228	2,162,525
3341406050	PHOTOSENSITIVE DIODES, NESOI	6,363,338	6,244,566	9,886,660	5,035,850	5,719,238	8,848,228	8,976,223

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	UNMOUNTED CHIPS, DICE AND WAFERS FOR PHOTOSENSITIV	79,406	68,629	144,860	170,382	159,652	431,920	175,288
8541407080	PHOTOSENSITIVE TRANSISTERS	634,550	376,081	580,299	999,590	533,147	900,111	889,468
	OPTICAL COUPLED ISOLATORS	10,227,839	6,211,867	2,362,708	2,879,771	6,966,625	9,622,035	18,831,693
	PHOTOSENSITIVE SEMICONDUCTOR DEVICES, NESOI UNMOUNTED CHIPS, DICE, WAFERS FOR SEMICONDUCTOR DE	4,226,580 102,058	7,619,391 308,662	5,370,885 1,619,347	5,102,195 2,217,672	8,584,003 8,488,454	6,477,132 1,723,072	10,375,457 656,988
	SEMICONDUCTOR DEVICES, NESOI	6,253,795	3,383,603	4,864,048	5,180,391	3,817,074	4,504,650	5,483,081
8541900000	PARTS FOR DIODES, TRANSISTORS & SIMILAR SEMICONDUC	1,619,794	2,995,016	3,328,165	4,753,688	7,281,013	12,833,645	17,203,373
	CARDS INCORP. ELEC. INTEGRATED CRCT (SMART CARDS)	4 000 400	40 474 045	6,457,779	15,451,801	18,473,062	36,010,887	53,520,452
	MONOLITHIC DIGITAL INTEGRATED CIRCUITS; CARDS INCO MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, MOS TECHN	4,366,468 126,372	12,474,845 2,878					
	UNMOUNTED CHIPS, DICE WAFERS OF SILICON FOR DIGITA	10,643,465	50,553,133					
8542138010	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	1,609,498	707,530					
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	0	415,312					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC INTEGRATED CIRCUITS OF SILICON. DIGITAL	74,880 287,327						
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	278,106						
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	135,933						
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	1 000 111	402 002					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	1,883,114	402,802					
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL							
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL		184,957					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL		8,113,805					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL		4,061,092 6,135,161					
		44,792,573	0,100,101					
8542138037	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	88,050						
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	111,227						
		97,428 1 424 795						
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	1,424,795 0	2,354,344					
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	0	2,354,344					
8542138045	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M		5,516					
		620,633	289,918					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	59,896,007 6,799,814	42,603,887 4,409,486					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0,799,014	4,409,480					
		70,079,120	42,520,187					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M	598,378	351,845					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	3,044,237	2,650,630					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	12,999,372 0	6,444,559 0					
		2,510,076	6,182,996					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	52,529,571	49,733,654					
		256,866	149,630					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	5,974,188	1,950,754					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	77,043,188 666,839	69,844,079 228,611					
		2,131,308	697,406					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, BIPOLAR T	22,742	0					
		116,888	22,978					
	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	196,674 49,272	10,018 9,085					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	11,420	1,357,360					
		497,212	103,965					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	51,861	16,457					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	2,832,384	8,465,907					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	2,380 37,870	5,100 64,849					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OBTAINED	8,098	11,928					
	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	240,994	372,931					
	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	47,021	526,897					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0 4,771,253	123,123 3,876,829					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	649,974	360,547					
8542198092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	201,890	12,197					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	420,762	651,936	10.000	110.000	045 000		
	MNLTHC IC DGTL,FOR HIGH DEF TV GT 100000 GTS CHIPS & WAFERS OF SILICON DGTL MNLTHC IC			18,628 21,839,575	148,055 29,205,674	645,888 35,995,196	436,613 21,931,954	884,883 35,023,224
	UNMTD CHP, DICE & WAFR FOR DGTL MNLTHC IC, EX SLCN			3,021,851	2,470,276	3,971,226	2,774,348	3,754,754
	MONO INTGR CRCT SLCN DGTL VLTL MEM DRAM LT=16 MB					0	1,650,070	15,505,807
	MONO IC,DIG,DRAM,NOT OVER 1,000,000 BITS			639,665	148,855	5,697	0	0
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 1-8 MEGABITS			593,419	566,266	1,203,585		
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 8-16 MEGABIT MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM,16-64 MEGABIT			88,065 1,498,481	257,693 971,571	154,719 3,032,765	5,863,416	3,337,714
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 64-128 MEGBT			9,205,148	640,055	43,742,386	48,753,408	24,573,405
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 128 LT=256MB					0	61,296,485	39,628,161
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 256 LT=512MB					0	76,650,498	219,599,303
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 512MB LT=1GB MNLTHC IC,DGTL,SI,VOLTILE MEM,DRAM, GT 128 MEGABIT			0 11,777,035	0 6,637,948	0 47,828,289	3,334,509	3,051,890
	MONO INTEGR CIRCT SLCN DGTL VOLTL MEM DRAM GT 1 GB				2,001,040	47,020,209	5,542,967	2,781,222
8542218031	MONO IC,DGTL,SILCON,VOLATIL,(SRAM)LT 256 KBITS			308,370	614,204	926,369	1,576,620	1,111,518
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,SRAM,256KLBT-2MEGB			16,508	1,163,602	1,245,582	1,441,574	1,352,489
	MONOLITHIC INTEGRATD CRCT SRAM GT 256 KILOBITS MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,SRAM, OVR 2MEGABIT			0 1,232,439	0 4,500,950	0 3,749,081	0 2,478,015	0 3,191,982
	MNLTHC IC,SLCN,DGTL,EVOLTL MEMRY,SRAM, OVR 2MEGABIT			17,546,382	4,500,950	10,245,494	2,478,015	3,191,982 10,437,074
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM,64-512 KILOBIT			4,789,582	4,319,299	4,940,533	3,725,546	3,480,217
	MONOLITHC INTEG CIRCUIT, DIGITL, (EEPROM), ELEC ERAS			0	0	0	0	0
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM,OVER 512KILBT			51,437,655	96,032,735	149,000,000	238,352,817	174,276,658
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM, NT OVR 64KLBT MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM,64-512 KILOBITS			242,130 1,163,732	91,657 1,147,016	281,220 474,883	223,198 325,270	700,935 253,935
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, (EPROM)			0	1,147,010	474,885	325,270	253,935
8542218059	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM,OVR 512KILOBITS			2,902,466	5,025,458	1,040,447	354,646	1,283,197
	MONOLITHIC IC, DIGITAL, SILICON, NESOI			2,982,593	1,206,169	2,907,828	9,449,992	12,104,357
0042218071	MONO IC,DIG,SIL,(ASIC)&(PLA)MICROPROC LT 8 BITS			34,535,811	37,440,953	33,727,301	32,838,649	36,746,300

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	MONO IC,DIG,SIL,(ASIC)&(PLA)MICROPROCES 16 BITS MONO IC,DIG,SIL, (ASIC)&(PLA) MCRPROC GT 32BTS			487,673 5,805,286	610,709 83,241,106	1,345,314 204,000,000	3,502,352 253,022,631	17,930,302 221,969,246
8542218081				263,664	1,136,613	702,238	658,480	2,452,478
	MNLITHC IC,SLCN,DGTL,EX MICROPROCR,ECL			95,714	5,103	59,504	85,534	239,752
				0	0	0	0	0
8542218089 8542218091				138,000,000 1,626,010	91,202,037 61,083	125,000,000 633,346	116,053,639 80,335	176,617,819 762,024
				3,201,244	431,977	1,537,009	3,837,560	5,706,158
	CHPS,DCE,WFRS MONOLITHC INTEGRAT CIRCUIT,EXEP DIGL			12,191,476	12,810,177	30,383,536	36,737,642	40,953,674
				751,977	3,319,567 9,117,300	4,304,909 8,771,401	6,372,542	27,852,856
8542290030				8,329,940 20,486,602	15,024,450	18,292,012	9,699,993 26,055,114	18,100,136 38,866,977
				35,949,025	60,344,169	85,040,422	130,426,549	199,685,141
		3,216,595	8,712,985					
		1,154,261 27,331,443	66,619 28,307,593					
8542300080		8,235,547	5,426,410					
8542300090		13,496,635	10,545,149					
	HYBRID INTEGRATED CIRCUITS, WITH AN OPERATING FREQ	5,321,430	2,689,736					
		22,762,175 2,040,833	20,073,264 1,240,714					
		2,040,033	1,240,714	2,008,571	4,574,496	9,338,845	33,739,508	10,828,336
				16,079,861	9,020,519	16,859,369	23,153,214	24,194,806
				2,510,546	5,499,853	9,953,031	12,306,990	25,004,159
		32,206,553	9,958,390	29,209,757	24,297,299	41,027,742	57,653,508	42,342,926
		0 3,064,908	0 234.975	5,688 11,673	2,707 9,450	156,326 8,281	0 38,152	12,138 150,306
	SIGNAL GENERATORS	3,026,015	1,041,543	1,441,544	2,014,605	2,880,689	2,505,526	3,177,326
8543891000	PVD APPARATUS FOR PROCESS OF SEMICONSUTOR MATS			0	153,392	13,159	1,402,501	53,822
	· · · ·		44	0	0	0	0	65,701
		10,041,993	11,794,733	10,732,428 0	12,126,812 0	27,871,979 0	44,289,659	70,949,933
8802110030 8802110045				0	0	0	0	0
	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH			0	0	0	0	0
	NEW MULTIPLE ENGINE AIRPLANES, NON-MILITARY, OF AN			0	0	0	0	0
		0	0	0	0	0	0	0
8802300050 8802400040		0	0	0	0	0	0	0
		0	0	0	0	0	0	0
				0	0			
		0	0	0	0	0	0	0
		5,000		0 7,800	0 4,716	9,116	0	34,300
		5,000	0	7,800	4,710	9,110	0	34,300
		Ŭ	ů	ő	ő	0	40,000	0
8803200010	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL	0	0	0	0	0	0	0
8803200030		557,266	1,353,995	149,929	20,983	23,495	282,862	341,871
		U	0	0	0 67,200	0	0 55,652	0 124,552
		0	0	0	07,200	0	0	124,002
8803300015	OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO	84,382		164,743	11,500	0	18,715	3,765
		31,582,443	55,862,988	50,581,021	51,860,283	67,615,910	70,546,148	114,507,201
		0 792,026	0 1,235,828	0 2,183,094	0 8,939,280	0 10,601,781	0	0
	PARTS OF COMMUNICATIONS SATELLITES	12,950	1,235,626	2,183,094	8,939,280 0	0	12,415,543 122,900	14,220,324 3,960
		50,295	39,168	÷	÷	Ŭ		0,000
	AIR COMBAT SIMULATORS AND PARTS THEREOF			11,334	0	0	0	0
		0	0	2,453	23,392	13,522 0	13,858	110,587
	OPTICAL FIBERS, OPTICAL FIBER BUNDLES AND CABLES E OPTICAL FIBERS FOR TRANSMISSION OF VOICE, DATA OR	0 30,740,411	25,134,835	4,792,605	0 2,369,200	3,352,319	0 3,386,642	0 2,645,329
		653,570	2,139,682	1,473,791	472,971	494,613	3,360,042 77,461	2,645,329
9001100085	OPTICAL FIBERS BUNDLES AND CABLE OTHER THAN THOSE	284,502	1,178,995	628,453	670,386	696,159	1,211,888	849,459
	LENSES, PRISMS, AND MIRRORS, UNMOUNTED, NESO	0	0	0	0	0		
	LENSES, UNMOUNTED, NESOI	8,746,720	15,814,527	13,741,121	15,785,384	16,727,008		
	PRISMS, UNMOUNTED, NESOI MIRRORS, UNMOUNTED, NESOI	1,100,146 316,861	1,424,767 1,104,093	848,574 1,218,068	1,308,683 1,154,188	1,437,191 2,078,602		
	OPTICAL ELEMENTS, UNMOUNTED, NESOI	9,251,750	10,747,573	3,349,737	6,514,510	15,221,436		
9002902000	PRISMS MOUNTED, NESOI	170,878	265,945	256,286	681,675	1,693,790		
	MIRRORS MOUNTED, NESOI	884,301	633,245	740,941	1,552,354	1,336,164	0.051.101	5 000 000
	OPTICAL ELEMENTS, NESOI PRISM BINOCULARS FOR USE WITH INFRARED LIGHT	5,090,535 789,546	2,750,585 87,214	2,905,552 241,625	2,262,844 1,486,766	2,916,148 83,309	3,254,434 1,615,191	5,692,602 6,364,307
	OPTICAL TELESCOPES FOR USE WITH INFRARED LIGHT	18,438	18,614	157,445	37,036	11,000	51,570	66,574
9005804040	OPTICAL TELESCOPES EXCEPT FOR USE WITH INFRARED LI	44,622,900	26,896,147	27,090,723	40,723,307	41,923,583	40,094,031	47,400,552
	DISCHARGE LAMP AND FLASHLIGHT APPARATUS CAPABLE OF	990,036	425,494	137,903	413,375	1,356,136	454,168	2,208,694
	PARTS FOR CAMERAS DIRECT WRITE-ON-WAFER APPARATUS	121,153	93,651	159,062 0	355,848 0	524,040 0	3,595,884	3,493,410
	E-BEAM DIRECT WRITE WAFER, PROJTN OF CIRCUIT PATRN			U	U	0	0	0 6,843
	DIRECT WRT WAFER APPT, FOR PROJT OF CIRCUIT, NESOI					0	2,145	0,045
9010420000	STEP AND REPEAT ALIGNERS			0	0	0	0	0
	APPARATUS FOR THE PROJECTION OF CIRCUIT PATRNS NES	0	0	70,524	0	0	2,380	0
	STEREOSCOPIC MICROSCOPES STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE	0	0	0	0	0 0	0 1,505,211	0 1,592,944
	STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE STEREOSCOPIC MICROSCOPES, NESOI					0	3,366,051	1,592,944 3,647,098
9011200000	MICROSCOPES, FOR MICROPHOTOGRAPHY&CINEMA ETC,NESOI	0	0	0	0	0	0	0
9011204000	MICROSCOPES, WITH MEANS TO PHOTOGRAPH THE IMAGE					0	1,550,806	1,459,958
	MICROSCOPES, EXC WITH MEANS TO PHOTOGRAPH IMAGE	40.000.004	15 000 000	16 500 070	16 040 540	0	1,573,509	1,864,786
	OTHER COMPOUND OPTICAL MICROSCOPES, NESOI PARTS AND ACCESSORIES FOR COMPOUND OPTICAL MICROSC	16,638,581 6,094,173	15,028,922 4,031,264	16,588,970 4,442,438	16,042,513 5,155,068	17,735,462 7,064,904	19,502,300 6,411,781	18,214,949 6,078,340
	MICROSCOPES OTHER THAN OPTICAL MICROSCOPES; DIFFRA	416,793	304,300	201,025	1,103,797	180,264	1,210,794	775,709
9012900000	PARTS AND ACCESSORIES FOR MICROSCOPES OTHER THAN O	729,211	1,066,588	939,229	1,047,840	1,201,714	878,769	1,507,890
	TELESCOPIC SIGHTS FOR RIFLE, NESOI	391,398	382,347	194,867	209,361	456,248	692,022	875,803
	PERISCOPES, TELESCOPES DESIGNED TO FORM PARTS OF M	522,992 0	420,141	3,492,866	3,797,883	5,030,248	4,764,092	4,823,308
	LASERS, OTHER THAN LASER DIODES OPTICAL DEVICES, APPLIANCES AND INSTRUMENTS, NESOI	0	0	0	0	0 0	2,059,869 0	2,884,941 0
	OPTICAL DEVICES, APPLIANCES AND INSTRUMENTS, NESOT	73,624	790,018	259,748	438,685	594,327	0	0
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	US Imports of Adva	incea lecnn	lology Pr	oducts FI		а		
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	GYROSCOPIC COMPASSES, OTHER THAN ELECTRICAL FOR US			0	0	0		
9014106080 9014107030		4,526	22,500	7,200	4,900	0 12,690	37,224	33,200
9014107040	GYROSCOPIC COMPASSES, ELECTRICAL FOR USE IN CIVIL	0	0	0	0	0	0	0
9014107060 9014107080		640,798 0	886,012 0	834,971 0	1,856,386 0	403,458 0	1,079,429 0	844,383 0
9014109080	DIRECTION FINDING COMPASSES, EXCEPT FOR USE IN CIV	-		0	0	0	0	0
9014202000 9014204000		0 28,081	0	5,899 78,134	24,284 0	50,000 200,516	6,530 191,211	57,105 4,997
9014206000		53,326	20,033	11,429	831,360	19,131	105,666	133,656
9014208040 9014208080		106,271 815,497	198,839 921,338	120,086 923,952	312,206 1,397,687	288,904 1,337,144	959,206 901,631	20,000 1,832,146
9014200000		214,381	178,511	214,074	160,875	235,736	253,318	422,321
9014802000		260,027	355,313	327,541	1,198,805	534,052	804,755	1,107,835
9014804000 9014805000		1,833,003 48,091	2,914,742 16,404	2,935,264 30,861	2,825,599 29,891	1,585,431 286,847	2,416,257 136,462	13,038,341 336,967
9014900000 9014902080		0	0	0	0	0		
9014902080			2,160 3,425	15,000 188,887	0 56,986	266,660		
9014906000		971,045	588,019	1,986,110	1,348,026	3,460,727		
9015100000 9015104000		0 5,752,338	0 10,898,676	0 17,219,291	0 7,442,998	0 15,266,791	0 27,909,838	0 50,157,835
9015108000	RANGEFINDERS, EXCEPT ELECTRICAL	6,770,319	3,124,858	517,103	505,135	570,450	1,277,427	579,850
9015204000 9015304000		19,802 1,665,197	12,210 9,096,305	5,250 17,101,552	379,023 33,513,499	1,512,407 18,931,053	2,887,313 8,428,149	5,539,593 6,944,549
9015400000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS & APPLNCES		0,000,000	17,101,002		0	0,420,149	6,944,549 0
9015404000 9015408000		2,857 165 973	110,599	0 419 723	10,000 354 097	52,592 105 463	529,012 31,830	781,605
9015408000 9015802000		165,973 253,235	190,291	419,723 906,882	354,097 2,952,988	105,463 1,847,972	31,830 1,919,835	517,423 2,241,612
9015806000	SEISMOGRAPHS			0	0	9,614	16,074	12,150
9015808040 9015808080		116,663 4,083,286	33,659 5,680,347	645,041 7,761,407	281,291 10,363,319	493,183 12,080,145	2,155,910 7,353,802	3,003,969 8,192,397
9015900000	PARTS AND ACCESSORIES FOR SURVEYING	0	0	0	0	0		0,132,007
9017205000		0 301 750	14,137	0 15 927	0 116.082	0 256 982	4,987 85 725	0
9017207000 9017208040		301,750 971,253	360,773	15,927 256,745	116,082 2,380,310	256,982 4,377,395	85,725 22,209,739	327,609 15,884,832
9018110040		0	0	0	0	0	0	0
9018113000 9018116000		6,692,983 161,259	5,062,236 51,156	1,755,119 15,709	2,335,290 244,993	2,173,868 1.466.823	2,047,120 768,818	2,977,934 1,225,862
9018119000		1,096,071	607,067	1,323,932	1,250,191	2,029,770	3,720,999	2,131,096
9018120000 9018130000		1,215,910	677,006 1,563,572	1,812,211 3,418,426	7,790,226 2,179,719	12,305,231 2,725,702	12,969,503	16,548,964
9018130000		3,491 0	1,505,572	3,410,420	22,752	665,616	8,384,621 0	7,893,531 140,710
9018194000		338,610	734,196	1,582,987	1,889,717	2,002,772	2,573,992	2,786,522
9018195500 9018197500		0	0	0 2,380	0	0 59,633	0 30,503	0 190,681
9018199535	ELECTROENCEPHALOGRAPHS (EFG) AND ELECTROMYOGRAPHS	0	0	16,973	0	0	0	86,890
9018199550 9018199560		990,333 17,096,951	2,610,494 20,404,937	2,152,911 29,121,621	631,452 27,181,462	1,308,637 31,256,357	1,026,092 43,247,275	2,657,805 62,278,377
9018500000		444,114	927,202	1,017,491	1,102,950	2,295,565	3,114,816	3,989,669
9018901500 9018903000		0 266,174	0 306,636	0 124,468	0 381,851	0 686,406	0	0
9018903000		282,479	1,163,051	1,896,085	1,503,199	6,462,316	929,617 7,460,226	1,068,968 10,778,553
9018906400		64,000	254.005	57,541	149,714	180,169	517,837	56,406
9018906800 9018907040		626,657 0	254,005 0	7,368 0	43,639 0	50,210 0	286,400 0	143,097 0
9018907060		0	0	0	0	0	0	0
9018907080 9018907540		0	0	0 13,129	0 27,060	0 2,130	0 9,750	0 26,810
9018907560	OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE	68,720	177,969	38,049	220,311	1,789,623	6,676,929	6,348,278
9018908000 9019102000		4,637,107 0	6,265,100 0	10,335,764 0	19,288,212 0	27,062,969 0	32,790,831	49,716,967
9019102010	MECHANO-THERAPY APPLIANCES	4,130,058	7,267,918	6,404,373	5,980,577	5,995,620		
9019102020		45,616,801	57,143,717	52,454,016	45,509,838	47,736,740 30,160,194		
	MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY MASSAGE APPARATUS, POWERED BY AC ADAPTER	23,673,605 64,617,629	26,920,956 59,055,594	29,167,828 88,866,514	31,445,218 49,391,102	30,160,194 59,218,943		
9019102045	MASSAGE APPARATUS, ELECTRICALLY OPERATED (EXCEPT BA	68,762,635	58,999,221	61,484,998	106,000,000	119,000,000		
9019102050 9019102090		3,855,413 2,463,215	5,610,279 5,170,865	7,337,539 4,857,231	8,698,452 5,935,675	10,635,681 11,867,170		
9019106000	PSYCHOLOGICAL APTITUDE TESTING APPARATUS AND PARTS	1,173,589	104,575	182,728	198,154	337,480		
9019200000 9021100090		13,478,187	14,925,975	21,671,292 35,218,921	28,976,599 42,058,564	40,688,346 63,750,551	65,393,776 77,213,330	100,364,743
9021100090 9021110000		3,109	342,192	00,210,921	42,000,004	00,700,001	77,213,330	99,477,302
	OTHER ORTHOPEDIC OR FRACTURE APPLIANCES AND PARTS	16,296,778	23,306,682					
	OTHER ARTIFICAL PARTS OF THE BODY AND PARTS AND AC ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	554,627	679,543	329,727	1,631,042	2,116,556	2,970,521	3,703,454
9021390000	OTH ARTIFICAL PTS OF THE BODY & PTS & ACCESSORIES			3,964,777	5,425,480	6,429,690	4,749,236	5,321,106
9021400000 9021500000	HEARING AIDS, EXCLUDING PARTS AND ACCESSORIES PACEMAKERS FOR STIMULATING HEART MUSCLES, EXCLUDIN	198,106 0	1,268,461 22,380	4,455,885 6,775	5,534,748 67,585	1,418,710 0	2,989,645 0	52,153,635 0
9021904080	PARTS AND ACCESSORIES FOR PACEMAKERS FOR STIMULATI		17,078	11,913	11,115	120,147	34,369	39,005
9022120000 9022130000	APPRTUS BASED USE OF X-RAYS FOR MEDICAL, SURGICAL, APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	6,045,349	1,877,206 0	3,747,046 0	9,030,162 0	8,885,246 0	8,573,538 13,658	28,800,709 167,277
9022130000 9022140000		5,403,376	14,704,925	13,239,019	13,347,499	10,519,928	15,622,544	167,277 11,222,681
	APPARATUS BASED ON THE USE OF X-RAYS FOR OTHER USE	175,870 0	72,010 0	47,633 0	5,700	9,500	138,273	281,407
9022210000 9022298000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA	0	0	0	16,690 7,192	6,490 0	227,420 0	102,404 8,652
9022300000	X-RAY TUBES	374,003	406,357	1,017,988	999,725	694,185	860,271	2,962,036
9022900500 9022902000	RADIATION GENERATOR UNITS HIGH TENSION GENERATORS, CONTROL PANELS, DESKS, SC	115,000 0	121,737 0	633,713 0	392,569 0	343,230 0	602,203 0	285,379 0
9022904000	PARTS AND ACCESSORIES OF X-RAY TUBES	31,561	19,207	24,182	121,914	86,877	97,244	295,981
9022907000 9022909500	PARTS AND ACCESSORIES OF SMOKE DETECTORS, IONIZATI	2,215,774 56,925	2,328,074 136,024	2,260,632 109,820	2,100,593 149,596	786,164 513,980	418,350	77,138
	PARTS AND ACCESSORIES OF HIGH TENSION GENERATORS, MACHINES AND APPLIANCES FOR TESTING METALS	302,739	455,136	509,272	493,569	828,228	1,560,500 1,146,782	1,618,553 1,035,372
	OTHER MACHINES AND APPLIANCES FOR TESTING THE HARD	292,735	168,357	192,962	309,276	500,513	643,524	670,128
9024900000	PARTS AND ACCESSORIES FOR MACHINES & APPLIANCES FO	0	0	0	0	0	0	0

US Imports of Advanced Technology Products From China										
HS Code Commodity Descripton	2000	2001	2002	2003	2004	2005	2006			
9027202000 GAS CHROMATOGRAPHS	0	0	0	0	0	0	0			
9027205030 ELECTRICAL ELECTROPHORESIS INSTRUMENTS	0	0	0	0	0	0	0			
9027206050 LIQUID CHROMATOGRAPHS	0	0	0	0	0	0	0			
9027209000 CHROMATOGRAPHS AND ELECTROPHORESIS INSTRUMENTS, NE 9027308020 SPECTROSCOPES, EXCEPT ELECTRICAL USING OPTICAL RAD	0	0	0 0	0 16,000	0 7,700	0 15,930	0 57,500			
9027502000 THERMAL ANALYSIS INSTRUMENTS AND APPARATUS	0	0	0	10,000	7,700	15,930	57,500			
9027504050 ELECTRICAL PHOTOMETERS USING OPTICAL RADIATIONS	0	0	9,000	4,802,144	510,120	557,030	851,816			
9027505000 OTHER CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS,	0	0	0	0	0	0	0			
9027509000 INSTRUMENT AND APPARATUS FOR PHYSICAL OR CHEMICAL	0	0	0	0	0	0	0			
9027801000 NUCLEAR MAGNETIC RESONANCES INSTRUMENTS AND APPARA 9027802000 MASS SPECTROMETERS	0	0	0	0	0	0	0			
9027803100 ELECTROCHEMICAL INSTRUMENTS AND APPARATUS,	Ő	Ő	Ő	ő	Ő	0	0			
9027803200 CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS, NESOI	0	0	0	0	0	0	0			
9027808000 INSTRUMENTS AND APPARATUS FOR MEASURING/CHECKING V 9027902000 MICROTOMES	0	0	0	0	0	0	0			
9027902000 MICROTOMES 9027905430 PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	594,085	656,527 0	642,379 0	395,536 0	529,027 0	554,200 0	525,004			
9027905440 PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	0	0	0	0	0	0	0			
9027908950 PARTS AND ACCESSORIES OF INSTRUMENTS & APPARATUS F	0	0	0	0	0	0	0			
9029206000 STROBOSCOPES	2,094	81,699	30,815	56,634	65,760	43,025	486,169			
9030100000 INSTRUMENTS AND APPARATUS FOR MEASURING OR DETECTI 9030200000 CATHODE-RAY OSCILLOSCOPES AND CATHODE-RAY OSCILLOG	102,365 227,112	161,328 341.625	88,264 195,904	345,100 157,171	1,135,411 429,725	176,085 511,076	27,468 584.085			
9030310000 MULTIMETERS	14,433,241	11,186,029	14,337,698	23,292,959	41,848,180	49,332,020	55,383,108			
9030390040 APPARATUS TO TEST VOLTAGE OR CURRENT OR RESISTANCE	11,268,641	12,589,101	16,215,888	19,663,342	21,090,758	21,043,757	28,798,011			
9030390080 OTHER INSTRUMENTS AND APPARATUS FOR MEASURING OR C	4,437,401	5,022,184	4,640,999	4,430,711	4,351,610	9,746,025	7,318,204			
9030400000 OTHER INSTRUMENTS AND APPARATUS, SPECIALLY DESIGNE 9030820000 INSTR AND APPAR FOR MEASURING OR CHECKING SEMICOND	13,902,942 780,044	12,205,283 268,679	8,733,627 580,292	8,404,956 4,802,646	13,251,858 12,492,209	13,412,514	21,287,027			
9030820000 INSTR AND APPAR FOR MEASURING OR CHECKING SEMICOND 9030906400 PRINTED CIRCUIT ASSEMBLIES OF INSTRUMENTS AND APPA	168,296	253,978	81,544	131,879	1,304,206	4,446,753 1,833,342	31,172,620 11,209,275			
9030906800 PRINTED CIRCUIT ASSEMBLIES EXCEPT FOR 9030.10,NESO	1,268,782	1,736,098	1,187,826	1,632,913	5,967,315	4,740,122	11,835,588			
9031410000 OPTICAL INSTRUMENTS FOR INSPECTING SEMICONDUCTOR	0	0	0	0	0	0	0			
9031410020 OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING 9031410040 OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPE	4,000 200,000	6,000	9,796 10,438	0 14,417	0 383,365	8,295	0 13,737			
9031410040 OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPE 9031410060 OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING	6,900	21.497	24,786	184.745	20.148	419,103 117,875	13,737			
9031494000 COORDINATE-MEASURING MACHINES	3,590	4,800	4,712	893,620	662,830	225,754	471,422			
9031804000 ELECTRON BEAM MICROSCOPES FITTED WITH EQUIPMENT SP		105,604	38,396	101,127	17,227	0	616,900			
9031808060 EQUIPMENT FOR TESTING ELECTRICAL CHARACTERISTICS O	0	0	0	0	0	0	0			
9031900000 PARTS & ACCESSORIES OF MACHINES, NESOI IN THIS CHA 9032100000 THERMOSTATS	0	0	0	0	0	0	0			
9032100030 THERMOSTATS, AIR COND, REFG/HEATING SYS WALL MOUNT	Ŭ	Ū	30,074,053	43,450,733	67,255,379	94,310,255	98,833,747			
9032100060 THERMOSTATS AIR COND, REFG/HEAT SYS EXC WALL MOUNT			6,732,072	11,019,807	14,416,809	15,847,604	19,141,983			
9032100090 THERMOSTATS, NESOI			17,427,236	19,509,007	23,396,098	32,515,426	40,165,194			
9032810040 HYDRAULIC OR PNEUMATIC INDUSTRIAL PROCESS CONTROL 9032810080 HYDRAULIC AND PNEUMATIC INSTRUMENTS AND APPARATUS	0 423,457	0 12,273	0 354,556	0 1,151,435	0 1,366,349	0 1,156,188	0 1,276,491			
9032810080 AUTOMATIC VOLTAGE AND VOLTAGE-CURRENT REGULATORS	423,457	12,273	0	1,151,435	1,300,349	1,150,100	1,276,491			
9032896020 CONTROL INSTRUMENTS FOR AIR CONDITIONING, REFRIGER	0	0	0	0	0	0	0			
9032896030 PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR COMP	10,000	20,200	144,233	5,720	39,998	690,442	718,491			
9032896040 PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR TEMP 9032896050 PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR PRES	3,917,450 121,982	4,294,146 65,855	17,169,006 94,896	15,256,984 553,983	6,012,272 718,639	2,459,782 952,949	16,316,092 749,895			
9032896050 PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR PRES 9032896060 PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR FLOW	1,605,350	2,299,643	2,192,175	5,428,537	18,443,380	952,949 9,219,177	749,895 5,505,950			
9032896070 PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR HUMI	2,938,745	497,115	1,286,212	1,688,214	1,986,017	2,164,453	557,126			
9032896075 OTHER PROCESS CONTROL INSTRUMENTS AND APPARATUS, N	1,207,187	1,368,550	1,242,422	1,163,003	5,553,815	9,590,522	12,525,335			
9301200000 ROCKET LAUNCHERS & SIMILAR PROJECTORS (MIL)	2 047 504	2 220 404	0	0	2 704 007	0 5 40 000	00 000 000			
9304002000 RIFLES WHICH EJECT MISSLES BY RELEASE OF COMPRESSE 9304006000 OTHER ARMS, EXCLUDING THOSE OF HEADING 9307, NESOI	2,017,581 281,599	2,338,181 476,369	2,355,568 372,816	1,684,927 758,443	3,791,067 850,898	8,549,083 1,175,701	22,036,068 1,793,152			
9305108000 PARTS AND ACCESSORIES OF REVOLVERS AND PISTOLS, NE		22,769	179,050	716,918	568,292	970,430	1,761,327			
9305905000 PARTS AND ACCESSORIES FOR ARTICLE OF SUBHEADING 93	690,427	362,777								
9305995000 PARTS FOR SUBHEADING 9304.00.20 OR 9304.00.40	0.705	0	2,082,184	4,616,903 0	4,333,326	4,036,280	11,538,345			
9306308000 PARTS OF CARTRIDGES, NESOI 9306900020 GUIDED MISSLES	2,725	0	0	0	174,550	19,050 0	403,407			
9306900040 BOMBS, GRENADES, TORPEDOS, & SIML MUNITIONS OF WAR			16,314	38,088	67,668	67,643	333,248			
9306900060 PARTS FOR GUIDED MISSILES	0	0	0	0	0					
9306900080 PARTS FOR BOMBS, GRENADES, & SIML MUNITIONS OF WAR			05.005	00.070	33,213	25,446	23,119			
9810006000 INST & APPRTS NT MFGR IN USA FOR NONPROFIT INST			35,085	29,972	40,000	21,840	122,763			
US Department of Commerce, Bureau of the Census and MBG Information Service	es									

	Commodity Descripton	2000	2004	2002	2002	2004	2005	2006
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
0044000000	Totals	(\$6,949,762,690)					(\$46,962,958,379)	
	URANIUM FLUORIDE ENRICHED IN U235 URANIUM COMPOUNDS DEPLETED IN U235, NESOI	0	(10,799,667) 52,378	(95,000,000) 72,700	(99,000,000) 35,160	(72,942,160) 11,120	(72,941,994) 162,316	(48,112,459) 193,785
	MIXTURES CONTAIN URANIUM DEPLETED IN U235, NESOI		,	,		25,999	42,796	527,369
	ELEMENTS, ISOTOPES AND COMPOUNDS WITH COBALT-60 RA	2,755	53,712	2,766 2,592,088	25,130 2,185,221	709,666	899,868	198,073
	RADIOACTIVE ELEMENTS, ISOTOPES AND COMPOUNDS OTHER ALLOYS, DISPERSIONS, CERAMIC PRODUCTS & MIXTURES C	970,005 242,996	(454,459) 350,786	2,592,088 (169,436)	2,185,221 (749,558)	1,605,408 (1,269,629)	1,403,607 (483,822)	1,429,654 (1,481,190)
2845900000	ISOTOPES, EXCEPT THOSE OF HDG 2844; COMPOUNDS, INO	(494,072)	(431,709)	(2,550,686)	(3,437,579)	(2,229,873)	(2,382,498)	(1,569,176)
	QUINONE DRUGS AROMATIC DRUGS	(21,805) (5,532)	17,565 (12,307)	21,311 (13,750)	(573) (88,331)	72,899 (109,053)	(9,570,799) (167,199)	(5,885,313) (166,098)
	AMFETAMINE, BENZFETAMINE(INN) ETC & SALTS THEREOF	(0,002)	(12,307)	(13,730)	(00,001)	(103,000)	(107,199)	2,961
	AROMATIC MONOAMINE DRUGS, NESOI	(276,641)	(37,500)	(37,500)	(74,980)	(20,594)	(28,894)	(20,300)
2922190900 2922191800	AROMATIC AMINO-ALCOHOLS,ETC USED AS DRUGS,NESOI OTHER AROMATIC AMINO-ALCOHOLS, THEIR ETHERS AND ES	(47,021)	(49,086)	(93,250)	(86,634)	(51,315)	(97,154)	(27,806,086)
2922292700	AMINO-NAPHTHOLS AND AMINO-PHENOLS,ETC USED AS DRUG	(259,050)	(153,920)	(331,596)	(613,391)	(169,426)	(338,847)	(165,943)
	AROMATIC AMINO-ACIDS ETC FOR USE AS DRUGS AROMATIC AMINO-ACIDS AND THEIR ESTERS,OTHER THAN T	(280,776)	(467.665)	(686,296)	(1,566,633)	(1,489,162)	(1,422,574)	(1,245,781)
	OTHER AROMATIC CARDIOVASCULAR DRUGS	(36,000)	(46,602)	(63,550)	(66,442)	(66,687)	(71,755)	(136,398)
	OTHER AROMATIC AMINO-ALCOHOL-PHENOL DRUGS	(35,665)	(21,301)	(769,169)	(970,744)	(1,132,421)	(1,861,380)	(3,259,614)
	OTHER AROMATIC CYCLIC AMIDES AND DERIVATIVES FOR U NON-AROM ORGAN DERIV OF HYDRAZINE ETC USED AS DRUG	(234,493)	(1,151,489)	(574,522)	(1,980,627)	(4,698,920)	(5,782,741) 85,780	(1,620,646)
2930909030	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED PR	(13,103)	0	0	(24,698)	(125,982)	(76,659)	(70,788)
	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED AS AROMATIC ORGANO-INORGANIC COMPOUNDS USED AS DRUGS	(824,635) (902,400)	(456,192) (541,440)	(411,571) (541,440)	(1,089,357) (1,141,804)	(78,591) (695,310)	(55,414)	(107,668) (964,919)
	AROMATIC COMPOUNDS CONTAINING AN UNFUSED FURAN RIN	(135,039)	(60,808)	(41,760)	(1, 141,804) (58,194)	(61,594)	(892,584) (187,304)	(793,156)
	AROMATIC LACTONES USED AS DRUGS	(63,590)	(53,061)	(46,243)	(58,224)	(60,799)	(161,649)	(151,914)
	ISOSAFROLE 1-(1,3-BENZODIOXOL-5-YL)PROPAN-2-0NE	0	38,611	6,598 1,970,670	0	0 1,667,307	4,650	0
	TETRAHYDROCANNABINOLS (ALL ISOMERS)	0	00,071	.,	0	.,001,001	0	462,000
	BIS-O-[(4-METHYL PHENYL)-METHYLENE]-D-GLUCITOL (DI	(553,919)	(169,514)	0	0	(944,745)	(27,535)	(55,900)
	AROMATIC PESTICIDES WITH OXYGEN HETERO-ATOM(S) ON AROMATIC PESTICIDES WITH OXY HETERO-ATOM(S) NESOI	1,255,625	4,115	5,214	0	35,886	458,405	990,930
2932997000	OTHER AROM HETERO ETC EXCL PROD IN U.S. NT 3 SEC 6	(567,000)	(2,057,488)	(2,601,453)	(5,330,995)	(4,218,824)	(9,478,555)	(36,230,129)
	AROMATIC OR MOD AROM DRUGS CONT AN UNFUSED PYR ETC AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINING AN	0	(40,000)	(266,464) (14,998)	(374,935) (6,863)	(78,360)	(436,688)	(396,071)
	DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMATIC) CO	(46,600)	(326,730)	(14,998) (3,526)	(51,700)	(54,173) (205,367)	(180,450) (340,547)	(105,600) (26,700)
2933330000	ALFENTANIL, AMILERIDINE, BEZITRAMIDE(INN), ETC.					(37,520)		
	DRUGS CONTAINING AN UNFUSED PYRIDINE RING (WHETHER 5-CHLORO-7-IODO-8-QUINOLINOL (IODOCHLORHYDROXYQUIN	(297,631) (1,811,795)	(301,457) (1,181,829)	(190,299)	(412,051)	(572,977)	(210,020)	(299,740)
	OTHER DRUGS CONTAINING A QUINOLINE OR ISOQUINOLINE	(3,450)	(12,708)					
	LEVORPHANOL (INN) AND ITS SALTS			0	(12,650)	(000, (00))		
	4,7-DICHLOROQUINOLINE IODOCHLORHYDROXYQUIN; DECOQUINATE ETC			(511,851)	(670,225)	(208,136) (19,800)	0	(79,500)
	DRUGS CONT A QUINOLINE OR ISOQUINOLINE ETC, NESOI			(1,037,412)	(564,186)	(1,803,337)	(1,274,631)	(1,947,496)
	LOPRAZOLAM (INN), MECLOQUALONE (INN), ETC & SALTS						0	7,500
	ANTIHISTAMINES, INCLUDING ANTINAUSEANTS OTHER AROMATIC OR MODIFIED AROMATIC ANTI-INFECTIVE	(6,840)	(8,930)	(10,715)	(601,629)	(1,114,960)	0 (1,089,386)	(11,250) (566,065)
2933595300	OTHER AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINI	(12,550)	(19,078)	(24,452)	(15,802)	Ó	(14,534)	(9,318)
	OTHER DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMAT DRUGS CONTAINING A PYRIMIDINE RING (WHETHER OR NOT	(174,460) 8,007	<mark>(70,669)</mark> 5,767	(57,320)	(271,378)	(14,750)	(190,809)	(491,220)
	DRUGS CONT A PYRIMIDINE OR PIPERAZINE RING ETC	0,007	0,707	4,254	89,492	1,098,473	632,526	2,391,669
	OTHER ANTI-INFECTIVE AGENTS	0	(5,750)					
	OTHER CARDIOVASCULAR DRUGS OTHER ANALGESICS, ANTIPYRETICS AND NON-HORMONAL AN	1,569,021 (448,115)	(331,644) (231,766)					
	ANTICONVULSANTS, HYPNOTICS & SEDATIVES W/HETEROCYC	(1,400,885)	(1,369,144)					
	OTHER DRUGS PRIMARILY AFFECTING THE CENTRAL NERVOU	0	(13,278)	(400.052)	22 720	(400,000)	(050.047)	(200,000)
	ALPRAZOLAM, CAMAZEPAM, CHORDIAZEPOXIDE (INN), ETC. ANTI-INFECTIVE AGENTS, NESOI			<mark>(160,852)</mark> 184,381	22,728 (24,619)	(122,283) 324,450	(256,247) 1,016,392	(392,328) (456,144)
	CARDIOVASCULAR DRUGS, NESOI			(416,480)	176,945	1,853	3,972	17,654
	ANALGESICS, ANTIPYRETICS AND NON-HORMONAL ETC ANALGESICS, ANTIPYRETICS & NON-HORMONAL AGTS NESOI			0 (57,556)	4,500 (8,284)	0 (8,100)	0 (57,558)	25,500 (101,315)
	ANTIDEPRESSANTS, TRANQUILIERS ETC, NESOI			2,470	(141,581)	(52,275)	(136,355)	10,643
	ANTICONVULSANTS, HYPNOTICS AND SEDATIVES			(1,703,232)	(1,111,860)	(83,000)	(2,139,469)	(2,360,180)
	DRUGS PRIM AFFECT THE CENT NERV SYSTEM, NESOI DRUGS W/ A PHENO RING SYS (W/T HYDRO), NESOI			126,395 (2,233)	344,964 0	338,514 0	642,018 (6,800)	1,327,650 0
2934903000	OTHER HETEROCYCLIC COMPOUNDS USED AS DRUGS	(5,409,446)	(410,435)					
	AMINOREX, BROTIZOLAM, CLOTIAZEPAM (INN) ETC. HETEROCYC CMDPS. USED AS DRUGS, NESOI			(228,196)	(268,979)	(129,550)	(190,552)	(555,493)
	HETEROCYC CMDPS. USED AS DRUGS, NESOI PITUITARY (ANTERIOR) OR SIMILAR HORMONES	(196,645)	(106,300)	(305,093)	(453,695)	(1,018,921)	(3,691,367)	(2,641,599)
2937110000	SOMATOTROPIN, ITS DERIVS & STRUCT ANALOGUES			(50,750)	(70,000)	(587,235)	(3,171,700)	(1,213,350)
	POLYPEPTIDE, PROTEIN & GLYCOPROTEIN HORMONES,NESOI ESTROGENS AND PROGESTINS			(140,480) 25,838	(922,437) 37,975	(204,157) 261,642	53,406 116,915	14 0
	ESTROGENS AND PROGESTINS ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN			(41,279)	(282,404)	(501,923)	(327,631)	(479,646)
	PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN, NESOI			(45,299)	(95,840)	(71,093)	(5,736)	(43,102)
	ESTROGENS NOT DERIV FROM ANIMAL OR VEGETABLE MATER PROGESTERONE NOT DERIV FR ANIMAL OR VEGETBLE MATER			(120,316) (1,164,678)	(280,835) (604,221)	(45,800) (524,364)	(45,500) (1,126,660)	(63,575) (1,061,260)
	PROGESTIES NOT OF ANIMAL OR VGTABLE ORIGIN, NESOI			(227,623)	(273,528)	(228,382)	(1,120,000) (226,153)	(201,620)
				0	(77,796)	(219,256)	(495,917)	(647,755)
	HORMONE AMINO-ACID DERIVATIVES, NESOI PROSTAGLANDINS, THROMBOXANES & LEUKOTRIENES			(109,730) 0	(116,128) (5,000)	(356,497) (5,270)	(846,701)	(4,335,707)
2937900000	HORMONES, PROSTAGLANDINS, ETC NESOI			(8,214,681)	(9,527,759)	(5,192,654)	(4,713,499)	(5,891,376)
	ESTROGENS AND PROGESTINS ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN	6,650 (4,435)	0 (74,115)					
2937921050	OTHER PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN	(42,640)	(82,150)					
2937925010	ESTROGENS NOT DERIVED FROM ANIMAL OR VEGETABLE MAT	(12,285)	0					
	PROGESTERONE NOT DERIVED FROM ANIMAL OR VEGETABLE OTHER PROGESTINS NOT DERIVED FROM ANIMAL OR VEGETA	(563,824) (51,274)	(826,993) (228,182)					
2937999550	OTHER HORMONES AND THEIR DERIVATIVES, OTHER STEROI	(4,148,226)	(6,018,550)					
2940002000	D-ARABINOSE OTHER SUGARS, NESOI EXCL D-ARABINOSE	45,224 (2,954,684)	(3,070) (2,653,760)	(956) (2.817.397)	22,419 (4,435,058)	(36,518) (7,439,688)	(239,355)	(17,325)
	HUMAN IMMUNE BLOOD SERA	(2,954,684) 0	(2,653,760) 61,146	(2,817,397)	(4,435,058)	(7,439,688)	(13,332,027)	(14,445,613)
3002100040	FETAL BOVINE SERUM (FBS)	452,826	227,113					
	OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I	1,901,263 (1,298,855)	3,380,810 (1,806,450)					
	HUMAN IMMUNE BLOOD SERA	(1,230,000)	(1,000,400)	364,824	227,522	0	182,064	0

	US Balances in Advar							
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	FETAL BOVINE SERUM (FBS) BLOOD FRACTIONS NESOI			344,814 1,856,585	560,379 3,452,436	9,959 (3,989,385)	13,166 3,804,529	47,040 467,453
	VACCINES FOR HUMAN MEDICINE	243,767	66,269	25,000	667,508	178,553	375,600	997,302
		3,275,660	4,946,244	6,257,775	5,691,304	5,351,483	9,965,735	12,394,649
3002905050 3002905120		(125,970)	(560,993)	80,098	78,597			
	HUMAN BLOOD;ANIMAL BLOOD PREPARED FOR THERAP, NESOI	(004.070)	(004,400)	205,580	220,931	753,289	712,514	1,259,668
3004909090 3004909190		(264,073)	(691,460)	(2,751,155)	(2,329,295)	(1,889,899)	(2,183,052)	(1,647,568)
3818000000	CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONICS, IN	6,595,409	8,862,114	10,741,089	26,089,378	38,146,081	24,458,123	89,404,701
	GALLIUM ARSENIDE WAFERS, DOPED OTHER CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONI	(226,180) (10,444,420)	(53,530) (5,484,211)	(1,138,949) (3,665,508)	(23,000,000) (12,000,000)	(19,699,388) (12,011,277)	(14,034,043) (14,854,731)	(20,032,223) (19,556,367)
8401100000	NUCLEAR REACTORS	0	31,630	255,600	255,600	200,000	0	(79,969)
8401200000 8401300000		2,659,230 114,350	1,395,359 549,184	1,037,369 0	1,621,993 210,905	3,510,843 79,699	1,105,666 484,495	57,384 28,273
8401400000	PARTS OF NUCLEAR REACTORS	398,487	1,844,695	67,688	131,143			
		463,501	57,793,850	27,357,481 0	8,000,450 5,604	267,119	6,716	5,162,591
8411124000	TURBOJET AIRCRAFT ENGINES, THRUST EXCEEDING 25 KN			0	(5,227,484)	(12,400,000)	0	(1,775,000)
		41,950,388	52,109,172	124,000,000	172,000,000	96,729,584	85,361,574 0	106,726,320 3,391,948
8411224000	TURBOPROPELLER AIRCRAFT ENGINES, POWER EXC 1100 KW	(247,500)	0	0	0		(76,650)	0
	TURBOPROPELLER A/C TBN, POWER OVER 1100 KW GAS TURBINE A/C ENGINES,NESOI,POWER NOT EXC 5000KW					112,500 0	0 (750,000)	250,580 0
	GAS TURBINE A/C TBN FOR CIVIL A/C, 5000 KW AND UND	769,594	2,003,000	150,000	975,325	180,000	959,739	2,072,356
	GAS TURBINE A/C TURBINE FOR CIVIL A/C, OVER 5000 K	15 600	0	0	14,800,000 0	7,000,000	8,080,960	2,260,000
8411824050 8411917010		15,600 27,402,280	0 32,677,607	48,328,512	49,075,130	50,047,240	44,645,887	69,668,595
8411917050	PARTS OF TURBOJET AND TURBOPROPELLER AIRCRAFT ENGI	225,607	1,528,049	595,677	589,693	199,547	883,552	693,491
		(26,136,831) 7,471,545	(25,414,570) 15,034,306	(25,000,000) 2,882,493	(28,000,000) 2,411,974	(52,721,761) 2,878,844	(68,893,841) 3,709,877	(97,170,317) 19,333,145
8411997050	PARTS OF GAS TURBINE AIRCRAFT ENGINES, OTHER THAN	2,442,950	379,247	3,606,164	10,064,488	3,576,662	6,339,785	2,472,094
8411999090 8424893000	PARTS,NESOI,OF AIRCRAFT GAS TURBINES, EXCEPT TURBO SPRAYING APPLIANCES FOR ETCHING, STRIPPING OR CLEA	(3,219,054) 1,663,171	(3,174,644) 2,613,151	(3,586,293) 5,340,068	(4,133,294) 8,284,681	(6,384,189) 5,819,591	(7,911,907) 5,803,180	(8,841,330) 4,702,133
8424895000	SPRAYING APPLIANCES DEVELOPING SEMICONDUCTOR WAFER					0	(335,435)	(461,276)
		225,714 (172,458)	176,000 (64,594)	1,792,012 (168,458)	156,407 0	260,904 (10,000)	7,886 (720,354)	1,296,771 (335,060)
8428900015	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O	309,775	1,599,715	6,078,346	1,886,839	2,749,471	7,464,154	5,119,375
		16,759,971 0	12,248,076 (40,299)	22,452,149 0	8,475,739 (133,100)	19,904,100 0	13,869,348 (23,000)	20,162,476 (619,873)
8456101020	MAC TOOL,MTL WRK,LASER,LIGHT OR PHOTON BEM,EXC,N/C	Ŭ	(10,200)	Ũ	(100,100)	(55,550)	(71,827)	0
		(28,500)	0	(19,000)	0	(40,240) (81,939)	(246,704)	(468,683)
8456200000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	68,269	30,345	2,712,949	2,052,003	1,503,811	277,972	135,996
	MACHINE TOOLS FOR WORKING METAL, BY ULTRASONIC PRO MACH TOOLS, EXC MTL WRK, ULTRASONIC PROCESSES	(2,880)	(10,810)	0 (38,250)	0	(15,023) 0	0	(67.208)
	ELECTRO-DISCHARGE MACHINE TOOLS FOR REMOVING MATL	295,135	1,390,217	2,078,617	1,106,295	1,343,153	1,939,826	894,263
		(5,011,900)	(108,055)	(900,160)	(241,423)	(810,564)	(140,600)	(1,779,626)
		(2,515,468)	(4,639,061)	(541,293) (208,846)	(719,918) 0	(4,793,307) (263,234)	(12,176,248) (42,170)	(9,607,858) (252,928)
	MACHINE TOOLS FOR WORKING MATERIAL OTHER THAN META	(2,200)	0	(21,555)	(35,642)	(72,932)	(125,463)	(26,977)
	· · · · · · · · · · · · · · · · · · ·	30,338,172 39,135	31,179,637 356,000	81,830,194 420,190	37,389,295 716,000	199,000,000 265,186	76,892,364 652,335	203,861,740 1,603,340
8456993005	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO	0	790,258	769,798	62,499	133,880	1,191,410	357,074
	MACHINE TOOLS FOR WORKING METAL, BY ELECTRO BEAM O MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO	2,517,134 0	546,083 31,324	2,222,224 40,598	716,168 38,835	1,061,474 32,031	3,897,713 56,760	6,669,724 58,611
8456993080	MACHINE TOOLS FOR WORKING METAL, BY ELECTRON BEAM,	(41,500)	27,473	60,400	(7,800)	0	13,960	810,857
8456995000 8456997000		2,583,129	910,611	1,909,601 0	2,342,525 (16,000)	5,088,347 (102,500)	5,534,211 (891,100)	4,909,119 (302,520)
8456999000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI	(2,800)	(6,002)	(4,438)	(3,019)	(79,132)	(86,126)	(393,909)
8457100015 8457100025	MAC CENTR,AUTO TOOL CNG,VERT-SPIN,Y-AXIS N/O 660MM MAC CENTR,AUTO TOOL CHNG,VERT-SPIN,Y-AXIS OV 660MM	1,877,154 89,000	3,682,709 508,606	2,119,540 520,623	6,790,825 333,000	7,653,677 1,015,718	11,794,543 2,416,621	1,316,812 1,680,791
8457100035	MACHING CENTERS, AUTO TOOL CHNG, EXCEPT VERTICAL	1,061,500	0	1,290,685	769,478			
	HORIZONTAL MACHING CENTERS WTIH ATC MACHING CENTERS, AUTO TOOL CHNG, NESOI					3,714,223 3,294,718	2,071,100	1,720,740
8457100060	HORIZONTAL SPINDAL MACHINES (685MM-1016MM)			(165,870)	0	0,204,710	3,427,575	4,386,991
	HORIZONTAL SPINDAL MACHINES GT 1016 MM					(88.002)	0 (89 502)	(1,959,660)
8457200010	UNIT CONSTRUCTION MACHINES (SINGLE STATION), N/C	1,648,785	15,760,500	26,703,414	1,327,843	(88,902) 688,332	(89,502) 0	0 1,681,800
	MULTISTATION TRANSFER MACHINES, N/C	F04 000	0	0	0	254.045	0	(35,000)
	HORIZONTAL LATHES, MULTIPLE SPINDLE, METAL REMOVIN HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	594,096 1,191,499	0 15,487,937	0 2,100,069	369,042 (16,034)	354,045 284,652	409,408 325,046	786,508 10,362,513
8458110050	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	2,659,062	473,073	1,173,992	488,235	(146,552)	556,658	(2,934,430)
	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL VERTICAL TURRET LATHES, METAL REMOVING, NUMERICALL	(133,717) (113,075)	71,385 0	320,000 0	(21,400) 0	107,858 0	189,441 (166,134)	4,382,185 0
8458911080	VERT TURT LATH, MTL REMOV, N/C, EXC MULTI SPIN, NEW			0	0	173,708		
	LATHES FOR REMOV MTL, N/C, MULIT SPIN, NEW, NESOI LATHES FOR REMOV MTL,N/C,EXC MULTI SPIN,NEW,NESOI	0	91,988 (34,863)	0	0 97,000	3,631,983	999,000	1,139,000
8459100000	WAY-TYPE UNIT HEAD MACHINES	223,411	420,550	861,990	0	0	66,808	147,743
	DRILLING MACH, METAL, N/C, NEW BOR-MIL MAC,HORIZ SPIN,TABLE TYP,MTL REMOV,N/C,NEW	2,950,740	1,610,742	2,217,940 0	1,170,583 368,800	3,170,871 3,705,000	1,625,490	751,187
8459310040	BOR-MIL MAC, HORIZ SPN, EX TBL TYP, MTL REMOV, N/C, NEW						0	(798,490)
	BOR-MIL MAC,EXC HORIZ SPIN,MTL REMOV,N/C,NEW,NESOI BORING MAC,VERT,MTL REMOV,N/C,OVER \$3025,NEW	685,704	2,261,676	0	70,000 1,419,800	(34,560) 56 610	(111,673)	12,634
	BORING MAC, VERT, MIL REMOV, N/C, OVER \$3025, NEW BORING MACH, EX VERT, MIL REMOV, N/C, OVER \$3025 NEW	000,704	2,201,070	0	1,419,800	56,610	2,616,441	6,031
	MILLING MACHINES, KNEE TYPE, METAL REMOV, N/C, NEW	(22,375)	(13,126) 3 817 125	0 1,035,526	0 5,488,542	105,709	0	19,853
	MILLING MACH, EXC KNEE TYP, MTL REMOV, N/C, NEW THREADING OR TAPPING MACHINES, METAL REMOVING, N/C	(176,796)	3,817,125	570,903	5,488,542 10,000	4,429,978 0	7,861,914 0	3,272,420 224,000
8460110080	FLAT SURFACE GRINDING MACHINES, METAL REMOVING, AC	(10,393) 0	0 2,052,312	91,500 538,436	241,894	<mark>(273,983)</mark> 1 175 982	0	(9,205)
	GRINDING MACHINES EXCEPT FLAT SURFACE, METAL REMOV SHARPENING (TOOL OR CUTTER GRINDING) MACHINES, MET	2,670	2,052,312 (104,379)	538,436 17,361	754,190 (39,750)	1,175,982 0	2,793,095 212,710	1,828,959 564,812
8460400060	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI	1,300,000	1,918,942	5,440	1,950,139	5,874,991	1,368,555	2,624,074
	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI MAC TOOLS USING ABRASIVES, NESOI, N/C, OV \$3025, NEW	(4,172)	(3,000)	0 67,331	(<mark>2,890)</mark> 21,362	0 1,211,351	(91,729) 11,926	(66,000) 357,024
	MAC TOOLS USING ABRASIVES,NESOI,N/C,3,0250VER, NEW	0	(4,989)	0	(18,960)	(445,460)	(155,800)	(233,693)

	US Balances in Advar		inology P	roducts		in China		
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	SHAPING OR SLOTTING MACHINES, METAL REMOVING, N/C			0	1,401,000	0	833,878	154,800
8461204000 8461300060				0	212,500	(12,097) 0	840,000	1,866,285
		0	12,000	207,299	104,002	0	0	(3,100)
8461500050 8461504050		(68,014)	(63,732)	(47,281)	104,002	(21,337)	142,075 (46,810)	48,295 (723,672)
8461900040 8461903040		0	19,808	68,309	0	0	10,000	0
8461903080	MAC TOOLS, MTL REMOV, NUM CTRL, OV\$3025, NEW, NESOI			1,088,192	142,110	350,700	379,308	822,452
	BENDING, FOLDING, STRAIGHTENING OR FLATTENING MACH NUMERIC CONTROL MACH FR BEND SEMICONDUC LEAD, NESOI	1,366,249	2,830,381	338,178	4,107,369	2,184,434	5,680,769 0	12,034,745 (47,745)
8462218085	BENDING, FOLDING, OR FLATTENING MACHINES (INCLUDIN	(368,473)	(235,040)	(415,751)	(557,165)	(489,185)	(772,653)	(621,993)
8462310080 8462410080		0 746,000	(55,749) 2,200,234	<mark>(14,760)</mark> 3,136,189	(69,521) (31,757)	(268,192) 5,014,850	(24,150) 4,832,240	(3,480,456) 5,078,780
		0	684,506	0	367,253	391,924	215,829	4,611,774
8462914060 8462990030		(346,401) 361,528	(158,169) 56,830	(56,661) 0	(249,193) 236,584	0 15,629	(15,750) 133,738	<mark>(416,843)</mark> 1,471,981
8464100040 8464201000		1,112,025	3,637,036	200,130	371,379	119,810 0	(40,899) (89,465)	171,120 (678,686)
8464901040	MACH TOOLS FR SCRIBING/SCORING SEMICONDUCTOR WAFER	607,385	0	735,075	798,117	675,121	1,156,646	662,563
	MACH TLS FR SCRIBING/SCORING SEMICONDUCTOR WAFERS MACHINE TOOLS FOR WET DEVELOPING OR STRIPPING	12,946,369	14,325,072	11,709,101 595,807	831,821 1,639,690	5,017,654 1,241,600	(548,000) 727,631	60,000 2,582,302
8465100025	WOODWORKING TENONERS, NUMERICALLY CONTROLLED, NEW					0	(375,166)	(93,520)
	ROUTERS, NEW, NUMERICALLY, WOODWORKING MACHINES BORING MACHINES, N/C, WOODWORKING, NEW					0	(1,460,839) 0	(1,869,631) (80,210)
8470500020	POINT-OF-SALE TERMINAL TYPE CASH REGISTERS	(71,411,534)	(108,964,709)	(140,000,000)	(140,000,000)	(73,446,941)	(73,744,380)	(189,116,163)
8471100000 8471300000	PORTABLE DIGITAL ADP MACHINE, WEIGHING NOT MORE TH	15,984,331 2,974,867	23,342,854 (11,606,327)	7,892,163 (620,000,000)	8,361,304 (4,100,000,000)	(1,577,009) (7,664,383,464)	12,337,766 (10,615,671,626)	3,050,642 (12,759,760,090)
	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	10,892,432 4,840,800	7,701,390 3,528,920	8,162,928 2,921,154	(5,040,697) 2,230,832	(6,115,725) 2,902,746	(10,770,579) 3,572,662	5,464,366 3,547,530
8471410095	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	18,993,196	13,143,814	(41,000,000)	(220,000,000)	(332,986,467)	(186,754,924)	(344,402,104)
8471491035 8471491065		(199,040,989) 556,705	(63,105,855) 2,033,537	52,054,966 515,370	46,016,489 431,431	75,701,488 550,319	(188,344,229) 222,256	112,939,401 826,176
8471491095	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	1,462,372	12,059,646	(15,000,000)	(110,000,000)	(464,566,745)	(1,247,578,905)	(1,697,452,381)
8471491500 8471492400		667,092 408,519	1,529,029 2,275,848	325,286 3,952,569	510,417 211,578	2,935,466 (231,099,643)	8,273,996 (394,616,760)	8,366,329 (513,931,643)
8471492600	COLOR CATHODE-RAY TUBE (CRT) MONITORS, ENTERED WIT	4,249,121	328,159	142,695	1,180,334	683,609	(4,821,465)	(903,923)
8471492900 8471494200		(471,679) (3,692,201)	(288,584) (5,669,356)	1,511,768 (2,321,810)	(1,365,446) (2,561,036)	(11,781,732) (6,652,363)	(23,354,810) (9,596,667)	(55,068,471) (14,838,363)
	CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES, ENTERED ADP OUTPUT DEVICES, NESOI, ENTERED IN THE FOR OF S	110,123 364,905	(136,043) 648,624	(480,332) 181,206	(498,029) 38,408	(936,607) (417,944)	(622,453) (13,555,228)	(194,480) (60,635,339)
8471494895	ADP INPUT UNITS, NESOI, ENTERED IN THE FORM OF SYS	(94,354)	1,348,930	(869,757)	(5,767,381)	(9,186,755)	(11,337,880)	(15,406,508)
8471495010 8471495020		157,862 (183,200)	66,912 (1,322,776)	(141) (1,207,700)	6,502 (569,543)	(79,730) (140,877)	40,309 150,760	11,113 334,812
8471495040	HARD MAGNETIC DISK DRIVE UNITS, NESOI, ENTERED WIT	242,683	3,231,982	1,867,571	461,725	(1,542,001)	(30,781,578)	1,391,854
8471495060 8471495080		2,244,115 (325,852)	2,995,797 44,492	1,545,552 550,176	170,172 333,226	(3,049,981) 69,351	(13,170,142) 3,731,178	(4,013,577) 6,771,443
8471496000	CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES	(6,939)	993,740	322,200	(2,140,792)	(7,529,086)	(31,626,489)	(13,685,637)
8471498500 8471499000		(1,430,171) 3,212,358	(1,757,007) 968,745	<mark>(685,187)</mark> 3,971,990	<mark>(515,170)</mark> 17,896,422	(500,401) 9,442,761	(272,336) 17,452,566	(2,660,034) 15,300,473
		(1,260,729) 2,191,831	<mark>(59,225)</mark> 1,196,226	<mark>(549,216)</mark> 1,023,163	(283,860) (490,564)	(3,626,503) 145,365	(1,469,510) 226,097	(1,366,748) 1,222,664
8471500065	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	147,657	348,035	1,393,300	418,732	37,957	404,689	145,964
	DIGITAL PROCESSING UNITS EXCLUDE SUBHEADING 8471.4 COMBINATION INPUT/OUTPUT UNITS WITH COLOR CATHODE	(651,437,100) (1,632,960)	(172,482,794) 672,645	(390,000,000) (589,362)	(890,000,000) (78,261)	(1,019,895,197) 54,573	(1,483,666,202) (13,083)	(1,878,174,214) (10,030)
8471601065	COMBINATION INPUT/OUTPUT UNITS WITH A MONOCHROME C	(3,246,489)	(292,584)	0	(3,655)	(19,624)	(134,511)	106,451
8471601095 8471603000		(24,955,939) (8,448,883)	(14,420,390) (12,525,823)	(30,000,000) (46,000,000)	(49,000,000) (170,000,000)	(15,673,400) (142,842,714)	(29,419,282) (46,583,149)	(31,063,277) (33,061,887)
8471604580	DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT	(96,342,517)	(223,716,078)	(1,300,000,000)	(2,900,000,000)	(4,870,000,000)	(5,265,914,779)	(5,220,839,433)
	LASER PRINTER UNITS INCORPORATING AT LEAST THE MED LASER PRINTER UNITS INCORPORATING AT LEAST THE MED	(152,317,295) (198,961,951)	(353,785,648) (163,329,064)	(440,000,000) (190,000,000)	(130,000,000) (99,000,000)	(276,000,000) (110,000,000)	(569,872,312) (152,229,770)	(865,327,143) (114,540,347)
	OUTPUT DEVICES, NESOI, SUITABLE FOR INCORPORATION	891,341	1,542,198	432,408	(1,262,099)	(7,256,431)	(1,341,275)	132,828
	INPUT UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPOR OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI	1,768,813 (353,482,889)	(4,120,196) (286,267,653)	(8,540,310) (290,000,000)	(8,952,904) (140,000,000)	(7,707,624) (141,438,069)	(9,715,532) (126,345,486)	(8,215,961) (140,092,373)
	CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES ADP OUTPUT DEVICES, NESOI	(947,831) (974,377)	(4,868,497) (2,439,704)	(2,324,518) (2,581,506)	(2,527,254) (363,282)	(1,477,486) (611,921)	(2,212,810) 379,299	(4,521,048) (692,046)
8471609090	ADP INPUT UNITS, NESOI	(283,833,844)	(251,609,530)	(280,000,000)	(300,000,000)	(300,637,247)	(342,915,417)	(385,901,804)
	MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT= MAGNETIC DISK DRIVE UNITS FOR AUTOMATIC DATA PROCE	(868,447) (721,434)	(570,598) (916,854)	41,259 (816,976)	(3,203,441) 4,915,908	(1,792,692) 1,090,502	(982,841) (898,514)	(16,859,973) 565,274
8471703000	MAGNETIC DISK DRIVE UNITS, NESOI, WITH A DISK DIAM	386,879	988,184	(99,810)	(2,975,751)	(660,691)	(30,770)	856,284
	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI HARD MAGNETIC DISK DRIVE UNITS, NESOI, NOT ASSEMBL	(104,517,247) (262,527,389)	(84,891,093) (285,275,608)	(110,000,000) (290,000,000)	(81,000,000) (400,000,000)	(68,794,996) (582,670,661)	(45,629,343) (995,673,425)	(37,700,197) (1,197,641,314)
8471704095	DISK DRIVE UNITS, NESOI, NOT ASSEMBLED IN CABINETS	(1,542,414)	(7,729,731)	(16,000,000)	(28,000,000)	(11,901,060)	(10,103,288)	(140,575)
8471705065	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI HARD MAGNETIC DISK DRIVE UNITS, NESOI	<mark>(3,831,440)</mark> 18,913,422	(7,037,507) 10,433,803	<mark>(16,000,000)</mark> 4,191,972	(21,000,000) (17,000,000)	(34,436,226) (48,211,262)	(29,630,139) (57,563,729)	(14,519,317) (90,743,288)
	DISK DRIVE UNITS, NESOI OTHER STORAGE UNITS, NESOI, NOT ASSEMBLED IN CABIN	(14,553,347) (761,389,008)	(3,903,299) (830,245,305)	(1,842,818) (1,100,000,000)	(4,065,264) (1,000,000,000)	(6,094,631) (1,209,590,409)	1,991,658 (1,055,533,244)	(859,551) (1,358,862,292)
8471709000	OTHER STORAGE UNITS, NESOI	(2,754,042)	(47,614,625)	(82,000,000)	(61,000,000)	(83,810,441)	(139,076,339)	(130,034,333)
	CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPORATION	209,977,032 3,447,801	149,173,924 18,105,441	(220,000,000) 82,434,574	(440,000,000) 126,000,000	(1,025,000,000) 103,018,735	(1,418,964,566) 40,015,497	(1,455,272,199) 75,496,484
8471809000	OTHER UNITS FOR AUTOMATIC DATA PROCESSING MACHINES	(9,305,746)	(2,555,212)	(22,000,000)	(28,000,000)	(47,026,787)	(96,628,335)	(228,061,544)
	MACHINES AND UNITS THEREOF FOR PROCESSING DATA, NE PARTS AND ACCESSORIES FOR AUTOMATIC DATA PROCESSIN	<mark>(81,608)</mark> 527,528,182	12,194,538 611,654,049	(1,344,837) 413,000,000	(12,000,000) 497,000,000	(26,163,674) 564,000,000	(161,029,641) 977,250,613	(142,709,320) 1,249,668,730
8473301000	PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING	(1,727,113,524)	0	0	0			
	PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING	0	(245,646,418) (1,529,492,315)	(280,000,000) (2,100,000,000)	(510,000,000) (2,400,000,000)	(787,000,000) (2,960,000,000)	(969,536,628) (3,034,010,636)	(1,775,693,889) (3,729,743,524)
	PARTS AND ACCESSORIES, INCLUDING FACE PLATES AND L PARTS AND ACCESSORIES OF AUTOMATIC DATA PROCESSING	(11,193,480) (212,331,480)	(77,202,172) (286,110,983)	(55,000,000) (350,000,000)	(72,000,000) (410,000,000)	(51,307,494) (625,000,000)	(31,449,471)	(40,343,663) (689,269,376)
8473305000	PARTS AND ACCESSORIES OF THE MACHINES OF HEADING 8	(1,609,572,272)	(1,704,632,176)	(2,200,000,000)	(2,700,000,000)	(4,200,000,000)	(686,494,706) (4,560,886,603)	(4,876,655,753)
	OTHER PARTS AND ACCESSORIES OF PRINTERS FOR AUTOMA OTHER PARTS AND ACCESSORIES OF AUTOMATIC DATA PROC	(3,377,369) (38,956,381)	(17,074,142) (26,306,571)	(32,000,000) (29,000,000)	(5,371,636) (31,000,000)	(4,203,170) (57,524,094)	(5,989,308) (169,381,756)	(3,931,706) (207,880,030)
8473500000	PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT	927,201	1,283,467	4,880,938	5,679,000	4,974,959	8,981,062	12,029,769
	PRINTED CIRCUIT ASSEMBLIES EQUALLY SUITABLE FOR US PARTS AND ACCESSORIES, INCLUDING FACE PLATES AND L	(448,442) (364,708)	(1,785,169) (1,290,237)	(914,183) (121,054)	(2,070,841) (123,460)	(5,329,969) (975,421)	(12,008,653) (1,169,737)	(13,504,161) (1,729,758)
	PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT	(2,904,879)	(3,843,778)	(18,000,000)	(39,000,000)	(25,931,367)	(33,638,100)	(73,038,328)

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
8470500000	INDUSTRIAL ROBOTS, NESOI	753,317	7,333,492	2,382,542	2,566,982	3,284,632	44 495 425	4.052.497
	APPARATUS FOR GROWING SEMICONDUCTOR CRYSTALS	755,517	7,333,492	2,362,542	1,203,591	590,835	11,485,435 568,000	4,952,187 0
8479898474				1,901,990	3,446,600	4,056,337	923,730	846,085
	CHEMICAL VAPOR DEPOSITION APPARATUS			121,000,000	107,000,000	321,000,000	69,947,173	180,535,297
	MACH NESOI FOR PROD & ASSEMBLY OF SEMICONDUCTORS APPARATUS DESIGNED TO GROW MONCRYSTAL SEMICONDUCTO	0	72,135	67,497,627	52,122,622	63,457,967	68,503,733	76,923,908
8479898574		735,672	689,329					
	CHEMICAL VAPOR DEPOSITION (CVD) APPARATUS INCLUDIN	48,032,332	60,963,233					
	PHYSICAL DEPOSITION APPARATUS INCLUDING SPUTTERING	25,002,469	50,986,163					
8479898590 8479909440		21,592,346	27,581,089	6,918,536	4,693,494	2,844,887	5,948,629	6,010,166
8479909540		2,763,722	8,054,485	0,010,000	1,000,101	2,011,001	0,010,020	0,010,100
	PARTS OF POWER SUPPLIES FOR AUTOMATIC DATA PROCESS	(3,544,751)	(1,627,089)	(2,546,518)	(2,485,340)	(1,684,032)	(5,352,298)	(7,691,017)
	OTHER PARTS AND ACCESSORIES OF POWER SUPPLIES FOR	(8,623,244) 3,395,385	(10,840,027)	(15,000,000)	(19,000,000) 2,566,888	(29,357,457)	(29,391,359)	(29,974,871)
8515210000	FURNACES AND OVENS FOR DIFFUSION, OXIDATION OR ANN MACHINES AND APPARATUS FOR RESISTANCE WELDING OF M	3,395,385 1,496,437	5,533,857 715,677	3,379,843 1,213,550	2,566,666	7,506,013 6,324,541	11,341,498 1,145,374	1,551,279 2,372,069
8515310000		3,391,473	7,788,576	10,505,596	9,886,916	11,427,275	10,051,428	9,609,879
	VIDEOPHONES	2,184,498	4,227,906	2,675,413	1,565,230	3,457,683	6,445,101	8,389,658
	VIDEOPHONES FACSIMILE MACHINES	(36,545) (74,079,955)	0 (122,868,869)	(3,963,026) (150,000,000)	(807,837) (160,000,000)	(3,352,841) (174,000,000)	(4,232,690) (143,588,886)	(3,019,840) (140,587,276)
8517301500		2,870,172	33,011,002	7,488,146	4,494,134	5,575,701	4,328,748	(140,307,270) (814,034)
8517302000	PRIVATE BRANCH EXCHANGE SWITCHING APPARATUS	1,619,403	739,324	349,001	360,183	637,295	(404,805)	(572,593)
8517302500		(249,657)	(2,532,938)	(4,087,165)	(2,849,494)	(5,029,504)	(2,354,269)	(2,389,448)
	TELEPHONIC SWITCHING APPARATUS,NESOI TELEGRAPHIC SWITCHING APPARATUS	3,029,696 3,975,726	2,034,873 11,418,443	1,767,128 8,331,125	8,755,581 (29,000,000)	2,998,062 (51,886,159)	677,023 (207,338,154)	1,127,239 (135,563,706)
8517501000		(147,189,163)	(173,136,764)	(190,000,000)	(160,000,000)	(373,405,346)	(417,086,195)	(463,052,589)
8517505000	CARRIER-CURRENT LINE SYSTEM APPARATUS, TELEPHONIC	23,805,594	18,297,311	(12,000,000)	(11,000,000)	(53,576,072)	(319,237,503)	(302,235,723)
	OTHER APPARATUS, TELEGRAPHIC, FOR CARRIER-CURRENT	(1,342,165)	(1,098,126) 96 248 919	(8,146,998) 30,000,849	(17,000,000) (88,000,000)	(1,910,735)	(7,968,889)	(61,289,841)
	OTHER APPARATUS, TELEGRAPHIC, FOR DIGITAL LINE SYS PARTS OF FACSIMILE MACHINES SPECIFIED IN ADDITIONA	(18,897,510) (26,975,661)	96,248,919 (24,322,674)	(31,000,000)	(32,000,000)	(321,000,000) (33,914,072)	(620,290,824) (24,215,268)	(1,262,496,593) (21,544,302)
8517900800		(14,557,803)	(14,016,752)	(12,000,000)	(9,315,921)	(20,545,925)	(38,649,193)	(36,935,316)
8517902000		51,760,184	54,983,943	89,186,196	23,323,734	17,090,822	19,517,966	38,271,124
8517902400 8517902600	PARTS FOR TELEPHONIC SWITCHING OR TERMINAL APPARAT PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA	(10,062,590) (317,283)	(17,077,333) (86,136)	(5,957,867) (194,150)	(7,440,906) (301,066)	(7,282,753) (523,701)	(15,394,289) (501,624)	(19,667,205) (748,066)
	PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA PARTS OF ARTICLES OF SUBHEADING 8517.20, 8517.30,	(2,387,591)	(3,395,456)	(3,121,513)	(2,271,811)	(3,364,043)	(501,624) (5,075,090)	(748,066) (5,594,086)
	PARTS OF TELEPHONIC AND TELEGRAPHIC SWITCHING APP	(11,937,208)	(1,539,879)	(6,634,979)	(9,508,537)	(6,240,753)	(5,279,334)	(12,833,897)
8517903600		(88,772,586)	(75,532,931)	(64,000,000)	(38,000,000)	(60,288,980)	(90,958,195)	(110,747,584)
	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC APPARATU PRINTED CIRCUIT ASSEMBLIES FOR TELEGRAPHIC APPARAT	(102,495,746) (5,488,953)	(62,120,304) (6,291,465)	(41,000,000) (12,000,000)	(28,000,000) (130,000,000)	(35,324,835) (341,000,000)	(60,851,062) (316,953,489)	(42,186,882) (320,534,187)
		250,796,851	84,827,706	28,503,846	23,803,126	23,291,985	52,222,054	68,768,319
8517905200	PARTS, INCLUDING FACE PLATES AND LOCK LATCHES, FOR	(2,493,918)	(918,554)	(2,109,024)	(4,306,769)	(3,072,826)	(3,270,747)	(4,556,899)
8517905800		(2,363,114)	(1,449,602)	(3,235,106)	(2,968,146)	(3,753,447)	(2,602,659)	(6,492,110)
	PARTS OF TELEPHONIC APPARATUS, NESOI PARTS FOR TELEGRAPHIC APPARATUS	(40,567,646) 11,653,820	(41,007,430) 73,039,982	(34,000,000) 169,000,000	(37,000,000) 179,000,000	(42,314,534) 261,000,000	(44,328,746) 206,479,534	(75,536,005) 290,098,871
	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS	(657,676,103)	(697,224,898)	(850,000,000)	(700,000,000)	(634,000,000)	(532,423,107)	(355,984,277)
8521100000		2,965,789	4,168,651	713,558	1,323,000	1,107,368		
8521106000	VIDEO CASSETTE OR CARTRIDGE RECORDING AND REPRODUC VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC	(466,652,987) (2,016,737)	(392,077,753) (1,109,502)	(340,000,000) (177,335)	(200,000,000) (4,368,380)	(116,000,000) (963,126)		
	VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC	(605,360,210)	(1,250,866,994)	(2,100,000,000)	(2,400,000,000)	(2,926,000,000)	(2,814,099,801)	(3,366,493,392)
8524310000		19,636,736	21,324,078	(_,,	(_,,,,	(_,,,	(_,,,,,	()
8524310030		(1,183,740)	(5,971,095)	(1,778,785)	(1,366,987)	24,015,977	21,028,636	29,247,658
	LASER DISCS,NOT FOR REPRODUCING SOUND/IMAGE, NESOI DISCS FOR LASER READING SYSTEMS, NESOI	0 446 702	12 595 950	19,133,736	24,626,426	5,632,382	10,839,475	18,298,789
	DISCS FOR LASER READING STSTEMS, NESOT DISCS FOR REPRODUCING REPRESENTATIONS OF INSTRUCTI	9,446,792 (19,459,335)	13,585,859 (24,567,826)	(12,000,000)	(40,000,000)	(57,712,571)	(78,653,641)	(60,508,396)
	DISCS FOR LASER READING SYSTEMS, NESOI	(1,182,616)	(3,856,731)	436,932	3,591,352	11,117,953	9,010,191	7,159,839
8524400000		1,005,110	1,659,041	815,670	1,037,464	2,471,748	437,467	814,878
8524910000	OTHER RECORDED MEDIA, NESOI, FOR REPRODUCING PHENO PREPACKAGED SOFTWARE FOR ADP MACHINES, OF A KIND S	14,748,789 (806,912)	7,243,936 (444,254)	(643,541)	(2,340,286)	4,686,486	10,845,090	22,188,646
8524910070		(1,086,359)	(1,065,963)	7,180,354	17,679,261	10,264,057	4,965,155	4,367,539
	RECORDED MEDIA, NESOI	11,065,237	14,568,993	18,025,073	19,191,937	15,059,812	33,188,172	23,780,726
8524994000		(6,672,345)	(5,416,863)	(9,805,392)	(6,548,021)	(9,423,668)	(20,009,026)	(12,825,402)
8525106070 8525106090	RADIO TRANSMITTERS,NESOI, CAPABLE OF TRANSMITTING RADIO TRANSMITTERS,NESOI, CAPABLE OF TRANSMITTING	4,592,644 611,871	2,295,711 2,247,527	2,614,663 2,602,437	2,179,280 2,534,190	4,053,076 3,856,524	2,023,900 4,299,058	1,523,935 5,690,869
	TRANSMITTERS, NESOI, CAPABLE OF TRANSMITTING TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	(216,548)	(33,397)	(22,892)	(10,160)	(234,464)	4,299,058 (160,571)	(410,358)
8525107085	TRANSMIT FR FREQUENCY GT 1000 MHZ,RADIOBROADCAST			(68,727)	(294,946)	0	(259,443)	(525,318)
	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESO	0	(19,409)	(1,279,297)	(871,111)	(422,416)	(369,228)	(1,112,702)
	TRANSMISSION APPARATUS, NESOI, FOR CIVIL AIRCRAFT TRANSMISION APPARATUS, NESOI, FOR RADIOTELEPHONY, RAD	303,943 4,398,855	1,093,691 3,633,603	1,022,052 3,970,246	636,082 3,803,463	2,408,683 6,145,111	3,052,273 2,683,229	2,050,404 3,933,453
		(1,378,786)	(439,441)	(201,983)	(724,064)	(481,074)	(390,464)	(325,509)
	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	(49,882)	(2,041,041)	(4,909,093)	(4,946,738)	(6,458,282)	(4,667,439)	(7,038,711)
	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	(1,480,904)	(3,428,042) (9,809,541)	(1,123,217)	(428,825)	(787,900) (56,388,237)	(33,889,170)	(9,464,152)
	TRANSMISSION APPARATUS FOR RADIOTELEPHONY OR RADIO RADIO TRANSCIEVERS, HAND-HELD, FOR FREQUENCIES EXC	(577,101) (147,737,524)	(9,809,541) (175,857,655)	(10,000,000) (350,000,000)	(30,000,000) (740,000,000)	(56,388,237) (876,000,000)	(132,056,335) (153,456,058)	(114,929,443) (131,730,014)
	RADIO TRANSCIEVERS, NESOI, FOR FREQUENCIES EXCEDI	79,153,282	129,862,830	58,987,825	24,746,627	11,351,069	23,608,534	9,768,877
	RADIO TRANSCIEVERS, EXCEPT HANDHELD, FOR FREQUENCIE	(16,312,057)	(5,407,611)	(6,543,552)	(13,000,000)	(23,515,215)	(14,742,564)	(29,380,030)
	RADIO TELEPHONES DESIGNED FOR INSTALLATION IN MOTO RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	1,184,833 1,850,138	1,109,657 1,407,438	2,255,251 1,460,774	4,120,359 1,062,045	1,763,128 1,664,504	422,558 110,465,366	(4,736,690) 57,544,522
	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	(52,744)	(20,940)	(1,523,260)	(427,262)	(828,233)	(3,602,967)	(2,579,811)
8525209070	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	(280,772,544)	(614,093,134)	(1,400,000,000)	(2,000,000,000)	(4,310,000,000)	(8,457,345,725)	(10,899,631,782)
	RADIO AND TELEVISION TRANSMISSION APPARATUS, NESOI	35,724,317	91,735,542	(80,000,000)	(69,000,000)	(194,438,643)	(565,655,267)	(693,394,447)
	TELEVISION CAMERAS, COLOR TELEVISION CAMERAS, EXCEPT COLOR	225,950 69,552	1,194,414 149,474	840,042 2,800	1,374,554 232,872	3,209,579 126,412	5,072,051 1,855,273	3,217,482 2,520,618
	GYROSTABLIZED TELEVISION CAMERAS	00,002		2,000	202,072	(90,931)	(12,410)	(248,829)
8525306000	STUDIO TV CAMERAS, EXC SHOLDER-CARRIED & PORTABLE	(07.000.75-	(00.000.00-	(18,523)	(3,224)	(5,899)	(95,213)	(103,916)
	TELEVISION CAMERAS, NESOI, COLOR	(87,983,755)	(66,293,237)	(51,000,000)	(56,000,000)	(88,013,264)	(130,090,111)	(184,098,218)
	TELEVISION CAMERAS, EXCEPT COLOR DIGITAL STILL IMAGE VIDEO CAMERAS	(12,856,268) (174,453,336)	(10,226,092) (175,225,011)	(6,346,583) (630,000,000)	(16,000,000) (1,300,000,000)	(12,223,904) (2,051,334,665)	(13,477,518) (2,475,126,563)	(18,432,649) (2,753,078,542)
8525408020	CAMCORDERS, 8 MM	(202,858,924)	(130,515,357)	(21,000,000)	(53,000,000)	(48,968,829)	(()
	CAMCORDERS (OTHER THAN 8 MM TYPE), NESOI	(30,671)	9,850	(902,605)	(14,000,000)	(48,299,631)	(40,975,274)	(231,098,796)
	STILL IMAGE VIDEO CAMERAS AND VIDEO CAMERA RECORDE RADAR DESIGNED FOR BOAT OR SHIP INSTALLATION	(25,599,735) (2,320,670)	(18,066,644) (1,901,979)	(8,705,501) (301,977)	(21,000,000) (1,121,524)	(14,720,575) (1,214,388)	(44,211,400) (2,212,489)	(72,304,859) (3,559,160)
	RADAR DESIGNED FOR BOAT OR SHIP INSTALLATION RADAR APPARATUS, OTHER THAN APPARATUS DESIGNED FOR	(2,320,670) (1,949,976)	(2,617,043)	(4,075,809)	(1,121,524) (130,560)	(1,214,388) (140,284)	(2,212,489) (52,018)	(3,559,160) (379,803)
8526100070	RADAR APPARATUS NESOI	1,666,502	168,644	137,884	334,747	543,568	259,247	331,925
	RADIO NAVIGATIONAL AID APPARATUS FOR USE IN CIVIL	5,616,354	9,929,330	3,479,870	2,359,042	2,054,418	3,189,464	4,160,162
8526910020	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	(137,993)	(13,092,625)	(37,000,000)	(39,000,000)	(37,271,488)	(90,800,942)	(183,206,611)

10.0							2005	2000
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	45,430	1,155,921	1,501,435 (2,323,571)	4,758,273	8,063,375	15,174,476	11,781,292
	RADIO NAVIGATIONAL AID APPARATUS, NESOI RADIO NAVIGATIONAL AID APPARATUS,NESOI	<mark>(119,849)</mark> 1,666,599	(365,245) 3,271,355	(2,323,571) 4,029,106	(22,000,000) 7,131,851	(27,615,491) 9,471,830	(71,883,128) 5,368,446	(183,252,883) 4,669,937
8526920000	RADIO REMOTE CONTROL APPARATUS	(20,986,449)	(16,430,171)	(20,000,000)	(28,000,000)	(32,000,927)	(30,416,811)	(35,709,431)
8527905000 8527908045	INFANT NURSERY MONITOR SYSTEMS, PACKAGE CONSISTING RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS	(30,645,464) 3,551,710	(27,834,800) 66,869	(27,000,000)	(31,000,000)	(31,407,902)	(27,125,345)	(31,908,180)
	RADIO RECEIVERS, NESO, CAPABLE OF RECEIVING SIGNALS	695,644	240,682					
	RECEPTION APPARATUS FOR RADIOTELEPHONY, RADIOTELEGR	5,514,171	5,124,882	(000,000)	(547.040)	(000 004)	(750.004)	(500.055)
8527909550 8527909560	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	(78,944) 0	(756,560) (2,184)	(869,628) (6,890)	(547,310) 0	(886,281) 0	(750,931) (9,583)	(599,955) (11,272)
8527909590	RECEPTION APPARATUS FOR RADIOBROADCASTING OR RADIO	(5,383,267)	(9,195,446)	(1,445,932)	(1,084,596)	(1,804,300)	(2,440,790)	(6,482,416)
	RADIO RECEIVERS (400 - 1000 MHZ) RADIO RECEIVERS GT 1000 MHZ			0 286,625	11,880 545,700	15,268 1,810,043	17,272 1,917,907	84,487 398,781
	RECEPTION APPARATUS RADIO COMMUNICATIONS,NESOI			613,687	2,466,832	631,549	501,328	623,192
	TV RECEIVERS INCOMPLETE OR UNFINISHED ASSEMB, COLO TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	(8,534)	(52,828)	(246,797)	(188,176)	(961,083)	(938,824)	(698,064)
	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	(36,853,644) 0	(10,348,618) (5,365)	(1,911,088) (5,615,328)	(21,000,000) 0	(29,730,308) (568,552)	(26,704,637) (1,863,885)	(42,425,940) (4,743,391)
8528122800	RECEPTION APPAR FOR TV, NON-HI DEF, COLOR, SINGLE PIC	(15,549,578)	(5,563,379)	(822,976)	(18,000,000)	(173,000,000)	(57,286,328)	(63,484,958)
8528123000 8528123600	RECEPTION APPARATUS FOR TV, COLOR, INCORPORATING V TV RECP,COL,NON-HD,PROJ,CATH-RAY, W/ VIDEO REC/REP	1,109,265	595,294	293,119	758,815	3,140,058 (20,039)	3,981,614 0	7,295,371 (1,438,371)
8528124000	RECEPTION APPA FOR TV,COLOR, NON-HIGH DEFINITION,	0	(16,597,170)	(11,000,000)	(6,911,936)	(117,055)	(2,600)	(2,810,638)
	TV REC,COL,HI-DEF,NON-PROJ,CATH-RAY TUBE W/REC REP RECEPTION APPARATUS FOR TV, COLOR, HIGH-DEFINITION	(4,000)	(5,847)	0 (6,662)	0 (10,000,000)	(2,528,376)	(6,838,759)	(6,577,905)
	TV RECP,COLOR,HD,PROJ,CATH-RAY, W/ VIDEO REC/REP	(4,000)	(3,047)	(0,002)	(10,000,000)	(2,320,370)	(76,338)	(147,600)
	RECEPTION APPARATUS FOR TV, COLOR, HIGH DEFINITION	(8,000)	(15,203)	(3,534)	(8,000)	(658,565)	0	(37,696)
	RECEPTION APPARATUS FOR TV,CLR, W/ A FLAT PANEL SC RECEPTION APP. FR TV, COLOR, WITH A FLAT PANEL SCR	0 (16,912)	(113,400) (563,200)	(2,813,560) 0	(16,000,000) (36,011)	(14,506,648) (12,275,384)	(71,374,669) (65,600,207)	(97,545,440) (241,126,694)
8528126801	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN	(5,637,875)	(5,323,464)	(11,000,000)	(31,000,000)	(68,543,667)	(80,697,572)	(98,901,630)
8528127201 8528127601	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN RECEPTN APPAR FOR TV, COLOR, INCORPORATING VIDEO R	(325,140) (123,840)	(1,788,637) (1,061,500)	(1,480,530) (1,874,344)	(36,000,000) (637,859)	(283,000,000) (1,309,902)	(994,591,384) (2,878,048)	(2,230,578,689) (2,395,330)
8528127601	REC TV,COLOR,VIDEO RECORD OR REPRODUCE,EXC 34.29CM	(120,040)	(1,001,000)	(1,874,344) (5,204)	(26,842)	(1,309,902) (30,008)	(2,878,048) (9,419)	(9,163,803)
8528128401	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A	(174,528)	0	(71,272)	0	(180,105)	(94,941)	(5,972,846)
	RECEPTION APPARATUS FOR TELEVISION , COLOR, WITH A RECEPTION APPARATUS FOR TV, COLOR, WITH A PRINTED	0 (181,972)	(3,987,022) (27,502,537)	(3,558,018) (51,000,000)	(724,436) (57,000,000)	(74,279,611) (48,196,971)	(409,783,025) (49,903,151)	(747,617,573) (34,742,575)
8528129700	RECEPTION APPARATUS FOR TELEVISION , COLOR, WITH A	(172,374)	(917,242)	(327,761)	(3,452,460)	(5,957,022)	(9,661,482)	(45,465,501)
	VIDEO PRJOJECTORS, COLOR, INCOMPLETE, NOT INCORP A	0	(45,500)	0	0	(66,500)	(1,155,205)	(81,539)
	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA VIDEO PROJECTORS,CLR, NON-HI DEF,W/CRT,W/ REC/REP	0	(3,175)	(294,000)	(887,758)	(354,381)	(151,062) 0	(174,931) (130,445)
	VIDEO PROJECTORS, CLR, NON-HD, W/ CRT, NESOI	0	(3,352)	0	0	(5,064)	0	(143,194)
8528306000 8528306201	VIDEO PROJECTORS,COLOR,HI DEFINITION W/ CRT,NESOI VIDEO PROJ,CLR,FLAT PNEL SCR,W/REC/REP,LT=34.29 CM					(267,130)	0 (68,000)	(2,270,012) (154,224)
8528306401	VIDEO PROJ,CLR,FLAT PNEL SCR,W REC/REP GT 34.29 CM			0	(2,500)	(2,500)	0	(8,829)
8528306601 8528306801	RECEPT. APP. FOR TELEVIS. VIDEO PROJ, COLOR, FLAT RECEPT. APP. FOR TELEVIS. VIDEO PROJECT, COLOR, F	(255,750)	(21,116,469) (258,400)	(36,000,000)	(210,000,000) (266,052)	(497,000,000) (154,747)	(659,322,924) (1,389,973)	(967,816,683) (2,145,369)
8528307200	VIDEO PROJECTORS, COLOR, NESOI, INCORPORATING VIDE	(4,200)	0	(2,906)	(7,416)	(104,141)	(1,303,373) (29,315)	(239,531)
	VIDEO PROJECTORS, COLOR, NESOI	(4,200)	(4,397)	(13,334)	(26,639)	(342,260)	(490,238)	(1,982,159)
	PRINTED CIRCUIT ASSEMBLIES, OTHER THAN TUNERS, PRI PRNT CIR ASSEMBLS, ASSEMBLS & SUBASSEMBLS OR RADAR	(5,371)	0	(7,822) (24,244)	(73,637) (36,019)	(3,614,186) (11,493)	(2,588,220) (2,557)	(131,119) (25,429)
8529901640	PRINTED CIRCUIT ASSEMBLIES, ASSEMBLIES, & SUBASSEMBL	(64,198)	(37,260)	(9,463)	(40,000)	(53,320)	(69,240)	(37,193)
8529901660 8529901920	PRNTD CIR ASSEMBLIES,ASSEMBLIES & SUBASSEMBLIES CO PRNTD CIR ASSEMBLS,NOT ASSEM & SUBASSEM,OF RADAR	(533,302)	(165,680)	(187,193) 0	(178,268) 0	(336,426) (5,980)	(409,778)	(649,113) (12,546)
	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB	0	(4,066)	(58,201)	(449,255)	(79,063)	(79,720)	(1,572,631)
	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB TRANCEIVER ASSEMBLIES FOR THE APPARATUS OF SUBHEAD	(232,559)	(285,941) (6,500)	(307,165) (8,673)	(735,769) (82,775)	(570,270)	(463,136)	(370,679)
8529903000	PARTS OF TELEVISION CAMERAS	689,460	111,512	861,078	3,519,069	(19,275) 5,757,997	(379,000) 1,463,248	(485,186) 722,914
	PRTS OF TELEVISION RECEIVERS, EXCEPT TUNERS, SUBAS	(4,486,331)	(1,235,425)	(575,479)	(3,122,911)	(51,769,302)	(112,106,430)	(49,936,902)
	PARTS FOR RADAR APPARATUS PARTS FOR RADIO NAVIGATIONAL AID APPARATUS (EXCEPT	513,625 819,568	1,049,806 5,077,890	1,246,623 1,703,111	930,495 2,696,086	1,419,592 2,185,268	893,016 5,074,107	2,565,740 11,604,167
8529904760	PARTS FOR RADIO REMOTE CONTROL APPARATUS	421,475	938,127	5,582,254	6,770,149	6,722,278	5,229,008	3,329,925
8529904900 8529906300	COMBINATION OF PARTS SPECIFIED IN ADDITIONAL U.S. OTHER,PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI	(245,339) 0	0 (2,700)	(739,000) 0	(280,224)	(179,582) 0	(426,136)	(523,094)
	OTHER, PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI	(282,720)	(228,887)	(233,395)	(354,725)	(572,850)	(16,768) (534,596)	(37,677) (385,566)
8529907800	MOUNTED LENSES FOR TELEVISION CAMERAS & OTHER PART	0	(30,725)	(75,984)	(145,649)	(352,522)	(935,196)	(1,626,930)
	OTHER PARTS OF ARTICLES OF HEADINGS 8525 AND 8527, ASSEMBLIES & SUBASSEMBLIES, OF RADAR APPARATUS	(253,487)	(669,856)	(243,067)	(450,430)	(535,373) (129,597)	(1,761,749) (344,437)	(3,937,538) (57,771)
8529909540	ASSEMBLIES AND SUBASSEMBLIES, CONSISTING OF 2 OR MO	(58,249)	(22,698)	(12,084)	(68,839)	(515,541)	(736,990)	(209,881)
	ASSEMBLIES AND SUBASSEMBLIES, CONSISTING OF 2 OR MO OTHER PARTS OF RADAR APPARATUS, EXCEPT ASSEMBLIES	(435,367) 0	(155,527) (3,084)	(285,341)	(457,225) 0	(485,233) (2,500)	(155,992)	(409,754) (900,692)
	OTHER PARTS OF RADAR APPARATUS, EXCEPT ASSEMBLIES OTHER PARTS OF RADIO NAVIGATIONAL AID APPARATUS (E	(63,730)	(360,552)	(2,267) (786,414)	(1,419,411)	(2,500) (542,880)	(6,926) (1,669,041)	(900,692) (5,289,430)
	OTHER PARTS OF RADIO REMOTE OCNTROL APPARATUS, EXC	(465,536)	(259,849)	(125,176)	(236,984)	(846,237)	(1,192,115)	(1,646,049)
	PRINTED CIRCUITS HAVING A BASE OF PLASTIC IMPREGNA NUMERICAL CONTROLS FOR CONTROLLING MACHINE TOOLS	(127,642,764) 521,023	(86,249,360) 1,385,467	(75,000,000) 910,804	(92,000,000) 185,121	(115,801,838) 585,232	(176,725,070) 610,948	(281,151,294) (281,715)
8537109050	PANEL BOARDS AND DISTRIBUTION BOARDS, FOR VOLTAGES	(9,121,734)	(7,444,167)	(5,890,487)	(5,819,908)	(18,644,637)	(15,198,285)	(19,443,663)
	PROGRAMABLE CONTROLLERS MICROWAVE TUBES, NESOI	(45,173,035) 26,500	(36,363,438) 130,552	(40,000,000) 33,200	(30,000,000) 70,300	(45,571,940) 599,725	(70,442,547) 346,117	(60,339,360) (458,686)
	LIGHT-SENSING TUBES	(42,984)	(56,616)	(1,341,406)	(4,120,301)	(5,802,445)	(6,506,187)	(7,727,636)
	UNMOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THA	8,855,990	16,806,564	7,176,466	1,440,493	18,704,930	7,684,060	9,127,244 (19,784,061)
8541100050 8541100060	ZENER DIODES MICROWAVE DIODES	(3,623,408) 6,610,996	(6,471,287) 6,017,290	(15,000,000) 6,122,123	(9,425,630) 2,800,400	(13,405,133) 2,986,784	(13,344,317) 2,318,548	(19,784,061) 4,417,010
8541100070	DIODES, OTHER THAN PHOTOSENSITVE OR LED, WITH A MA	(2,512,904)	(3,224,950)	(5,477,724)	(5,776,976)	(6,313,645)	(7,615,432)	(11,222,562)
	SEMICONDUCTOR DIODES NOT PHOTOSENSITVE OR LED, WIT UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE	(55,428,309) 902,624	(30,966,058) 1,228,413	(48,000,000) 6,960,722	(61,000,000) 4,284,374	(82,080,747) 3,003,008	(94,050,773) 1,755,241	(107,884,725) (125,988)
8541210075	TRANSISTORS OTHER THAN PHOTOSENSITURE, WITH A DISS	(3,390,661)	(929,963)	(1,384,928)	(2,817,495)	(6,655,071)	(8,997,711)	(10,305,661)
	TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISS TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS	7,197,347 (21,807,333)	11,587,827 (24,489,216)	5,852,799 (41,000,000)	6,118,432 (33,000,000)	3,556,315 (43,936,413)	2,923,596 (46,669,237)	3,150,738 (54,399,359)
	UNMOUNTED CHIPS, DICE AND WAFERS FOR TRANSISTORS O	96,032,350	94,891,798	113,000,000	146,000,000	126,557,134	(46,669,237) 83,512,938	(54,399,359) 66,904,330
8541290075	TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION	(54,050)	(1,142,913)	(964,123)	(1,695,354)	(3,317,240)	(2,542,773)	(1,989,759)
	TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISSI TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION	11,697,318 (50,757,169)	13,804,725 (29,279,252)	7,265,250 (27,000,000)	5,595,927 (27,000,000)	16,890,271 (34,263,133)	27,971,123 (42,188,092)	46,112,919 (64,957,148)
8541300040	UNMOUNTED CHIPS, DICE & WAFERS FOR THYRISTORS, DIA	165,986	42,521	81,543	43,774	296,256	536,194	213,323
	THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTOSENSIT UNMOUNTED CHIPS, DICE OR WAFERS FOR PHOTOSENSITIVE	1,112,582 278,356	(256,431) 108,844	(1,545,903) 840,994	<mark>(931,567)</mark> 942,881	(1,029,629) 924,730	(22,361,116) 1,525,268	(25,631,959) 3,383,502
	SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS	(12,711,989)	(17,925,558)	(4,306,083)	(11,000,000)	(10,498,989)	(20,484,874)	(60,857,320)
8541406030	SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP	(91,916)	298,008	1,947,437	890,188	3,535,652	4,486,505	3,934,936
6541406050	PHOTOSENSITIVE DIODES, NESOI	(4,807,871)	(3,216,845)	(7,685,695)	(3,749,306)	(4,454,910)	(4,991,489)	78,139

HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	UNMOUNTED CHIPS, DICE AND WAFERS FOR PHOTOSENSITIV PHOTOSENSITIVE TRANSISTERS	73,785 (607,009)	299,190 (365,524)	759,263 (520,114)	(89,909) (838,951)	(48,433) (300,321)	(213,006) 295,631	73,394 (602,375)
	OPTICAL COUPLED ISOLATORS	(9,634,986)	(5,519,511)	(587,287)	(279,740)	(3,949,469)	(6,058,036)	(14,387,628)
		3,210,279 249 280	7,868,799 600,154	(4,871,100) (126,039)	(2,698,999)	(5,957,610) (6,050,422)	(4,823,409)	(6,365,251) 37 1/3 261
8541500080	SEMICONDUCTOR DEVICES, NESOI	249,280 (5,339,902)	3,681,302	12,203,553	(449,406) (1,904,595)	(6,050,422) 5,091,619	19,021,306 6,788,716	37,143,261 9,280,163
	PARTS FOR DIODES, TRANSISTORS & SIMILAR SEMICONDUC	7,997,327	13,214,154	7,392,594	16,251,298	30,167,438	9,674,045	(1,074,932)
	CARDS INCORP. ELEC. INTEGRATED CRCT (SMART CARDS) MONOLITHIC DIGITAL INTEGRATED CIRCUITS; CARDS INCO	2,583,044	(3,302,260)	8,064,970	(2,771,807)	(7,884,687)	(19,738,898)	(33,634,864)
		219,214	1,745,439					
	UNMOUNTED CHIPS, DICE WAFERS OF SILICON FOR DIGITA UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	307,756,034 15,733,063	316,279,102 117,984,802					
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	0	3,216,998					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	(74,880) (287,327)	0					
8542138023	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	(278,106)	0					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	(135,933)	0 10,381,536					
8542138026	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	(1,883,114)	(402,802)					
	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	8,994,456 15,955,266	0					
8542138029	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	0	(184,957)					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	0	(8,113,805) (4,061,092)					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	0	(6,135,161)					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	(44,792,573)	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(88,050) (111,227)	0					
8542138039	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,M	(97,428)	0					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL,SILICON, M MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	(1,424,795) 1,329,863	0 (2,260,238)					
8542138044	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	696,885	5,215,638					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	0 (620,633)	(5,516) (289,918)					
8542138051	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(59,896,007)	(42,603,887)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(6,799,814) 7,969,229	(4,409,486) 6,816,861					
8542138057	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(70,079,120)	(42,520,187)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL,SILICON, M MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(598,378) (3,044,237)	(351,845) (2,650,630)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(12,999,372)	(6,444,559)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	710,519 15,965,964	651,565 (1,557,363)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(51,315,130)	(43,394,327)					
		183,484	181,620					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	5,061,780 29,228,247	13,838,637 (2,503,712)					
8542138092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	(486,406)	127,127					
8542138096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, BIPOLAR T	5,002,470 (22,742)	7,890,121 51,447					
8542148001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	99,549	21,510,804					
	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	234,850 2,047,187	2,800,754 402,679					
8542148007	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	33,602	(348,845)					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	(472,008) 453,885	(80,577) 953					
	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	1,009,815	(6,330,229)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	<mark>(2,380)</mark> 1,159,256	<mark>(5,100)</mark> 449,127					
		374,531	100,960					
		(160,517)	(224,995)					
	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	962,004 7,116	1,315,680 (114,403)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	(4,705,447)	(3,188,091)					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	979,820 (201,890)	1,512,737 2,680					
	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	17,980,710	20,821,898		10 000 007	0.004.450		
	MNLTHC IC DGTL,FOR HIGH DEF TV GT 100000 GTS CHIPS & WAFERS OF SILICON DGTL MNLTHC IC			9,841,524 645,000,000	13,962,927 1,320,000,000	6,031,152 1,384,004,804	2,164,495 1,733,316,849	4,578,949 3,060,128,748
8542218010	UNMTD CHP, DICE & WAFR FOR DGTL MNLTHC IC, EX SLCN			5,399,095	4,142,388	7,038,717	25,428,269	134,110,141
	MONO INTGR CRCT SLCN DGTL VLTL MEM DRAM LT=16 MB MONO IC,DIG,DRAM,NOT OVER 1,000,000 BITS			15,931,793	2,155,245	0 4,936,162	(1,650,070) 829,093	(15,505,807) 1,605,721
8542218022	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 1-8 MEGABITS			(593,419)	(566,266)	(1,203,585)	520,000	.,000,121
8542218023 8542218024	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 8-16 MEGABIT MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM,16-64 MEGABIT			(88,065) (1,498,481)	(257,693) (971,571)	(154,719) (3,032,765)	(5,863,416)	(3,337,714)
8542218025	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,DRAM, 64-128 MEGBT			(9,205,148)	(640,055)	(43,742,386)	(48,753,408)	(24,573,405)
	MONO INT CRC SLCN DGT VLT MEM DRAM GT 128 LT=256MB MONO INT CRC SLCN DGT VLT MEM DRAM GT 256 LT=512MB					0 0	(61,296,485) (76,650,498)	(39,628,161) (219,599,303)
8542218028	MONO INT CRC SLCN DGT VLT MEM DRAM GT 512MB LT=1GB			160,000,000	221,000,000	198,000,000	(76,650,498) 183,829,825	(219,599,303) 358,004,623
8542218029				(12,000,000)	(6,637,948)	(47,828,289)	(5,542,967)	(2 701 222)
	MONO INTEGR CIRCI SECN DGTE VOLTE MEM DRAM GT 1 GB MONO IC,DGTL,SILCON,VOLATIL,(SRAM)LT 256 KBITS			1,557,155	1,216,183	(217,322)	(5,542,967) 4,052	(2,781,222) 3,808,400
	MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,SRAM,256KLBT-2MEGB			(16,508)	(1,163,602)	(1,245,582)	(1,441,574)	(1,352,489)
	MONOLITHIC INTEGRATD CRCT SRAM GT 256 KILOBITS MNLTHC IC,SLCN,DGTL,VOLTL MEMRY,SRAM, OVR 2MEGABIT			2,137,880 (1,232,439)	913,595 (4,500,950)	2,751,765 (3,749,081)	3,012,541 (2,478,015)	3,839,571 (3,191,982)
8542218041	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM, NT OVR 64 KLB			(18,000,000)	(12,000,000)	(10,245,494)	(10,814,730)	(10,437,074)
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM,64-512 KILOBIT MONOLITHC INTEG CIRCUIT, DIGITL,(EEPROM),ELEC ERAS			(4,789,582) 9,584,625	(4,319,299) 17,659,631	<mark>(4,940,533)</mark> 37,814,348	(3,725,546) 192,179,529	(3,480,217) 351,241,435
8542218049	MNLTHC IC,SLCN,DGTL,EX VOLTL,EEPROM,OVER 512KILBT			(51,000,000)	(96,000,000)	(149,000,000)	(238,352,817)	(174,276,658)
8542218051 8542218052	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM, NT OVR 64KLBT MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM,64-512 KILOBITS			(242,130) (1,163,732)	(91,657) (1,147,016)	(281,220) (474,883)	(223,198) (325,270)	(700,935) (253,935)
8542218058	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, (EPROM)			664,863	976,920	2,651,293	2,778,282	2,649,469
	MNLTHC IC,SLCN,DGTL,EX VOLTL,EPROM,OVR 512KILOBITS MONOLITHIC IC, DIGITAL, SILICON, NESOI			(2,902,466) 14,075,482	(5,025,458) 17,149,600	(1,040,447) 101,092,172	(354,646) 11,965,586	(1,283,197) 12,154,217
	MONO IC,DIG,SIL,(ASIC)&(PLA)MICROPROC LT 8 BITS			(16,000,000)	(13,000,000)	(9,225,871)	(16,276,358)	(21,369,878)

10.0							2005	2000
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	MONO IC,DIG,SIL,(ASIC)&(PLA)MICROPROCES 16 BITS MONO IC,DIG,SIL, (ASIC)&(PLA) MCRPROC GT 32BTS			5,184,934 45 755 616	7,149,890	2,133,532	436,901	(15,411,051)
	MONO IC,DIG,SIL, (ASIC)&(PLA) MCRPROC GI 32BIS MNLTHC IC,SLCN,DIGITAL,EX MICROPROCR,TTL			45,755,616 (263,664)	(34,000,000) (1,136,613)	(135,445,085) (702,238)	(154,591,022) (658,480)	(134,918,384) (2,452,478)
	MNLITHC IC,SLCN,DGTL,EX MICROPROCR,ECL			(95,714)	(5,103)	(59,504)	(85,534)	(239,752)
	MONOLITHIC INTEGRAT CIRCUITS DIGITL, NT MEM, NESOI MNLTHC IC, SLCN, DGTL, EX MICROPROCR, NESOI			79,091,108 (140,000,000)	112,000,000 (91,000,000)	239,000,000 (125,000,000)	279,697,007 (116,053,639)	468,258,212 (176,617,819)
8542218091	MONOLITHIC IC, DIGITAL, MEMRY, (EXCPT SILCON, NESOI			1,635,391	4,201,009	1,045,214	1,542,411	521,952
	MONOLITHIC IC, DIGITAL, EXCPT SILCN OR DIGTL, NESOI			30,926,472	31,912,137	20,671,536	4,373,723	12,105,407
	CHPS,DCE,WFRS MONOLITHC INTEGRAT CIRCUIT,EXEP DIGL MONOLITHIC IC'S,EXE DIGL,OPRAT FREQ GE 100MHZ,NESO			92,308,527 13,240,114	89,071,896 64,939,073	122,616,464 66,676,694	179,881,306 36,644,263	515,577,815 24,212,739
8542290030	MONOLITHIC IC, FREQUENCY LT 100 MHZ, LOGIC, NESOI			(398,757)	(2,540,078)	50,036,177	1,089,442	3,172,060
	MONOLITHIC IC,FREQ,LT100MHGZ, OTHR THN LGC, NESOI MONOLITHIC IC.OPERATING FRQUENCY LT 100 MHZ, NESOI			26,543,602 1,519,102	4,830,185 (1,156,437)	10,707,969 (16,283,283)	22,248,095 (84,019,650)	43,924,922 (143,393,032)
8542300040		15,830,355	46,302,637	1,519,102	(1,130,437)	(10,263,263)	(64,019,650)	(143,393,032)
8542300060	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	2,657,297	6,201,710					
	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	(7,825,207) (5,810,015)	15,256,029 2,701,397					
	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	(2,001,904)	1,802,613					
8542400075		2,820,532	7,310,920					
	HYBRID INTEGRATED CIRCUITS, NESOI ELECTRONIC INTEGRATED CIRCUITS ,NESOI, AND MICROAS	(16,585,714) 8,230,593	(14,737,206) 10,912,170					
	HYBRID INTEGRATED CIRCUITS, WITH FREQUENCY GE 30MHZ	0,200,000	10,012,110	7,149,231	(200,872)	(4,059,563)	(21,510,715)	15,102,965
	HYBRID INTEGRATED CIRCUITS, NESOI			(10,000,000)	(432,769)	662,643	6,567,648	(8,634,553)
	ELECTRONIC MICROASSEMBLIES PARTS FOR ELECTRONIC INTEGRATED CIRCUITS AND MICRO	4,998,362	21,544,444	5,279,618 8,651,336	10,537,192 25,114,731	19,752,213 38,607,016	9,091,965 16,554,968	61,770,340 49,579,747
8543110000	ION IMPLANTERS DESINGED FOR DOPING SEMICONDUCTOR W	18,462,938	11,763,379	7,773,441	33,620,623	55,546,302	42,894,597	63,536,148
	PARTICLE ACCELERATORS, NESOI SIGNAL GENERATORS	<mark>(1,211,802)</mark> 1,193,204	1,459,903 8,254,721	1,217,839 7,496,166	2,884,624 6,078,231	2,367,836 8,061,261	3,737,232 4,053,564	4,408,335 3,770,699
8543200000		1,193,204	0,204,721	46,523,808	55,930,411	182,986,841	4,053,564 46,957,308	69,901,767
8543892000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI	,	10	5,340,432	7,539,841	4,350,884	1,722,251	4,602,694
	INSULATED OPTICAL FIBER CABLES WITH INDIVIDUALLY S NEW HELICOPTERS. NON-MILITARY. OF AN UNLADEN WEIGH	(3,099,050) 1,755,000	(2,762,002)	2,568,232 1,533,135	(3,843,113) 382,989	(22,044,376) 2,302,305	(37,859,388) 2,266,871	(63,660,254) 423,144
	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH NEW HELICOPTERS, NON-MILITARY, UNLDN WT 998-2000KG	1,755,000	0	1,555,155	388,000	2,302,305	886,000	2,498,000
		0	16,833,698	0	0	0	20,554,655	4,500,000
	NEW MULTIPLE ENGINE AIRPLANES, NON-MILITARY,OF AN NEW TURBOFAN POWERED AIRPLANES, NON-MILITARY, OF A	0 34,646,778	6,999,000 58,978,831	3,200,000 63,750,057	0	0	6,036,780 46,741,606	0 14,818,000
8802300050	NEW MULTI ENG PLANES,NOT TURBOFAN,(4536-15000 KG)					0	5,350,000	18,046,124
8802400040 8802400060		1,105,828,801 318,586,013	1,478,048,624 589,979,562	1,940,000,000 1,000,000,000	1,890,000,000 0	1,490,000,000 0	3,092,489,311 442,657,188	3,906,501,455 1,073,000,483
8802603000		510,500,015	303,373,302	1,000,000,000	0	0	442,007,100	1,073,000,403
	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	1,633,110	4,415,455	1,493,062	1,499,321	692,116	2,503,055	7,534,827
	PROPS & RTRS & PARTS FOR CVL ARCT, FOR DOD OR USCG PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	(5,000)	0	0 (7,800)	0 (4,716)	(9,116)	0	(34,300)
8803100050		4,432,883	405,050	1,660,891	2,005,918	89,617	147,629	647,668
	PROPLLRS & ROTORS & PARTS THEREOF FOR MILITARY AIR			0	0	0	(40,000)	0
	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL	3,910,439 (557,266)	4,033,689 (1,353,995)	5,695,360 (149,929)	6,167,223 (20,983)	12,691,593 (23,495)	18,709,443 (282,862)	33,603,032 (341,871)
		270,741	19,762	192,043	96,024	4,336,120	2,273,585	346,960
8803200060 8803300010		206 542 211	256,410,782	0	(67,200)	0 308,000,000	(55,652)	(124,552) 719,882,845
	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN	206,542,211 (84,382)	230,410,782	249,000,000 (164,743)	264,000,000 (11,500)	0	511,661,628 (18,715)	(3,765)
8803300030	OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO	(31,582,443)	(55,862,988)	(51,000,000)	(52,000,000)	(67,615,910)	(70,546,148)	(114,507,201)
8803300050 8803300060	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN	1,226,285 (792,026)	1,349,644 (1,235,828)	4,093,233 (2,183,094)	5,344,630 (8,939,280)	2,648,393 (10,601,781)	5,275,728 (12,415,543)	2,355,144 (14,220,324)
	PARTS OF COMMUNICATIONS SATELLITES	(12,950)	96,234	108,304	283,257	230,722	574,695	265,334
	GROUND FLYING TRAINERS AND PARTS THEROF	3,842,130	810,264	((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00 500	70.040		
8805210000 8805290000				(11,334) 13,007,753	26,500 500,879	79,910 302,500	72,920 645,469	53,000 256,672
9001100000		20,262,175	47,480,974	3,439,906	5,127,902	3,059,155	5,484,464	20,989,137
	OPTICAL FIBERS FOR TRANSMISSION OF VOICE, DATA OR	(30,740,411)	(25,134,835)	(4,792,605)	(2,369,200)	(3,352,319)	(3,386,642)	(2,645,329)
	OPTICAL FIBERS EXCEPT OF PLASTIC, NESOI OPTICAL FIBERS BUNDLES AND CABLE OTHER THAN THOSE	(653,570) (284,502)	(2,139,682) (1,178,995)	(1,473,791) (628,453)	(472,971) (670,386)	(494,613) (696,159)	(77,461) (1,211,888)	(257,642) (849,459)
9001901000	LENSES, PRISMS, AND MIRRORS, UNMOUNTED, NESOI	3,063,323	2,052,844	2,379,860	2,295,489	3,627,856	(, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(,)
	LENSES, UNMOUNTED, NESOI PRISMS, UNMOUNTED, NESOI	(8,746,720) (1,100,146)	(15,814,527) (1,424,767)	(14,000,000) (848,574)	(16,000,000) (1,308,683)	(16,727,008) (1,437,191)		
	MIRRORS, UNMOUNTED, NESOI	(1,100,146) (316,861)	(1,424,767) (1,104,093)	(1,218,068)	(1,154,188)	(2,078,602)		
9001909000	OPTICAL ELEMENTS, UNMOUNTED, NESOI	(9,251,750)	(10,747,573)	(3,349,737)	(6,514,510)	(15,221,436)		
	PRISMS MOUNTED, NESOI MIRRORS MOUNTED, NESOI	(170,878) (884,301)	(265,945) (633,245)	(256,286) (740,941)	(681,675) (1,552,354)	(1,693,790) (1,336,164)		
9002909500	OPTICAL ELEMENTS, NESOI	(5,090,535)	(2,750,585)	(2,905,552)	(2,262,844)	(2,916,148)	(3,254,434)	(5,692,602)
	PRISM BINOCULARS FOR USE WITH INFRARED LIGHT	(769,484)	(87,214)	(241,625)	(1,457,207)	258,546	(1,578,700)	(6,364,307)
	OPTICAL TELESCOPES FOR USE WITH INFRARED LIGHT OPTICAL TELESCOPES EXCEPT FOR USE WITH INFRARED LI	(18,438) (44,581,601)	(18,614) (26,809,687)	(141,860) (27,000,000)	(33,306) (40,000,000)	343,028 (41,666,050)	(40,470) (39,718,190)	(57,682) (46,630,018)
9006610040	DISCHARGE LAMP AND FLASHLIGHT APPARATUS CAPABLE OF	(990,036)	(425,494)	(137,903)	(413,375)	(1,356,136)	(454,168)	(2,208,694)
	PARTS FOR CAMERAS DIRECT WRITE-ON-WAFER APPARATUS	(121,153)	(93,651)	(159,062) 0	(355,848) 65,000	(524,040) 39,776	(3,595,884) 52,122	(3,493,410) 13,368
	E-BEAM DIRECT WRITE WAFER, PROJTN OF CIRCUIT PATRN			0	03,000	53,770	52,122	(6,843)
	DIRECT WRT WAFER APPT, FOR PROJT OF CIRCUIT, NESOI					0	(2,145)	0
	STEP AND REPEAT ALIGNERS APPARATUS FOR THE PROJECTION OF CIRCUIT PATRNS NES	1,138,000 273,420	0 670,472	515,199 803,091	607,451 89,705	1,093,875 2,012,590	101,730 3,210,971	3,597,864 4,107,999
9011100000	STEREOSCOPIC MICROSCOPES	1,093,081	404,893	211,325	595,828	1,008,443	435,426	487,179
	STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE					0	(1,505,211)	(1,592,944)
	STEREOSCOPIC MICROSCOPES, NESOI MICROSCOPES, FOR MICROPHOTOGRAPHY&CINEMA ETC.NESOI	135,922	208,632	145,587	157,726	0 384,657	(3,366,051) 98,570	(3,647,098) 693,491
9011204000	MICROSCOPES, WITH MEANS TO PHOTOGRAPH THE IMAGE	100,022	200,002	. 10,007		0	(1,550,806)	(1,459,958)
	MICROSCOPES, EXC WITH MEANS TO PHOTOGRAPH IMAGE OTHER COMPOUND OPTICAL MICROSCOPES, NESOI	(16,407,703)	(13,732,991)	(15,000,000)	(16,000,000)	0 (17,252,538)	(1,573,509) (18,025,347)	(1,864,786) (17,297,354)
	PARTS AND ACCESSORIES FOR COMPOUND OPTICAL MICROSC	(16,407,703) (5,349,078)	(13,732,991) (2,612,670)	(3,809,755)	(4,585,135)	(17,252,538) (6,527,025)	(18,025,347) (5,738,400)	(17,297,354) (4,059,536)
9012100000	MICROSCOPES OTHER THAN OPTICAL MICROSCOPES; DIFFRA	1,921,709	1,691,110	1,972,478	4,301,135	5,259,556	8,437,106	8,518,635
	PARTS AND ACCESSORIES FOR MICROSCOPES OTHER THAN O TELESCOPIC SIGHTS FOR RIFLE, NESOI	(159,939) (391,398)	2,013,712 (382,347)	1,827,435 (194,867)	3,652,627 (209,361)	808,466 (456,248)	1,678,660 (692,022)	(154,697) (875,803)
	PERISCOPES, TELESCOPES DESIGNED TO FORM PARTS OF M	(508,222)	(382,628)	(3,440,382)	(3,783,850)	(5,021,848)	(4,523,748)	(4,801,623)
	LASERS, OTHER THAN LASER DIODES	6,547,673	12,472,437	24,921,296	20,834,419	25,199,330	25,872,435	31,522,476
	OPTICAL DEVICES, APPLIANCES AND INSTRUMENTS, NESOI OPTICAL DIRECTION FINDING COMPASSES	8,321,931 (73,624)	5,873,729 (790,018)	3,864,701 (259,748)	8,756,018 (438,685)	5,056,448 (594,327)	16,261,965	9,367,202

	US Balances in Adva	ncea lechr	lology Pr	oaucts I	rade With	China		
HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
	GYROSCOPIC COMPASSES, OTHER THAN ELECTRICAL FOR US	0	40,200	0	0	3,354		
9014106080 9014107030		(4,526)	(22,500)	(7,200)	(4,900)	4,230 (12,690)	(37,224)	(33,200)
	GYROSCOPIC COMPASSES, ELECTRICAL FOR USE IN CIVIL	54,639	65,330	43,276	91,436	36,327	33,804	86,435
9014107060 9014107080		(640,798) 307,605	(886,012) 199,396	<mark>(834,971)</mark> 1,328,342	(1,856,386) 323,458	(403,458) 4,507	(1,079,429) 37,721	(844,383) 6,293
9014109080	DIRECTION FINDING COMPASSES, EXCEPT FOR USE IN CIV	39,182	0	5,345	102,987	11,290		
9014202000 9014204000		313,938 2,254,534	253,083 6,177,954	73,478 1,867,303	60,619 2,729,898	33,555 678,521	10,422 1,744,382	164,417 1,162,400
9014206000	ELECTRICAL INSTRUMENTS AND APPLIANCES FOR AERONAUT	1,034,141	3,468,088	759,212	535,733	1,601,623	2,171,032	3,395,232
9014208040 9014208080		4,637,048 (784,587)	4,155,020 (883,428)	3,936,499 (286,001)	4,686,392 (1,384,553)	5,559,443 (1,176,668)	5,957,355 (791,953)	8,555,591 (1,582,058)
9014801000	OTHER OPTICAL INSTRUMENTS FOR NAVIGATION, NESOI	(214,381)	(178,511)	(214,074)	(160,875)	(235,736)	(253,318)	(422,321)
9014802000 9014804000		(50,010) (1,833,003)	(190,578) (2,914,742)	(68,230) (2,935,264)	(709,840) (2,825,599)	(86,179) (1,585,431)	(744,817) (2,416,257)	(1,020,340) (13,038,341)
9014805000	OTHER NAVIGATIONAL INSTRUMENTS AND APPLIANCES, NES	(48,091)	(16,404)	(30,861)	(29,891)	(286,847)	(136,462)	(336,967)
9014900000 9014902080		3,899,917 0	3,472,416 (2,160)	2,689,193 (15,000)	2,172,367 0	1,405,806		
9014904000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	0	(3,425)	(188,887)	(56,986)	(266,660)		
9014906000 9015100000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS RANGEFINDERS	<mark>(971,045)</mark> 980,478	<mark>(588,019)</mark> 1,384,710	<mark>(1,986,110)</mark> 100,750	(1,348,026) 14,498	(3,460,727) 1,679,423	875,548	1,329,310
9015104000	ELECTRICAL RANGEFINDERS	(5,752,338)	(10,898,676)	(17,000,000)	(7,442,998)	(15,266,791)	(27,909,838)	(50,157,835)
9015108000 9015204000		(6,770,319) (19,802)	(3,124,858) (12,210)	(517,103) (5,250)	(505,135) (379,023)	(570,450) (1,512,407)	(1,277,427) (2,887,313)	(579,850) (5,539,593)
9015304000	ELECTRICAL SURVEYING LEVELS	(1,665,197)	(9,096,305)	(17,000,000)	(34,000,000)	(18,931,053)	(8,428,149)	(6,944,549)
9015400000 9015404000		(2,857)	0	0	(10,000)	0 (52,592)	393,658 (529,012)	135,307 (781,605)
9015408000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS AND APPLIA	(165,973)	(110,599)	(419,723)	(354,097)	(105,463)	(529,012) (31,830)	(781,605) (517,423)
9015802000 9015806000	OPTICAL INSTRUMENTS AND APPLIANCES FOR SURVEYING SEISMOGRAPHS	25,475	1,191,612	(579,011) 0	(2,586,989)	(1,406,186) (9,614)	(1,149,610)	(1,329,251)
9015806000 9015808040		29,582,396	32,659,872	22,063,180	47,351,047	(9,614) 41,363,673	(16,074) 27,928,484	(12,150) 49,163,095
9015808080 9015900000	OTHER SURVEYING INSTRUMENTS AND APPLIANCES, EXCLUD	753,259	(668,736)	1,080,917 7,549,038	(4,878,179)	(2,233,609)	5,600,599	2,538,546
	PARTS AND ACCESSORIES FOR SURVEYING PATTERN GENERATION APPTS DESIGNED TO PRODUCE MASKS	6,170,665 631,206	10,844,342 7,488,424	7,549,038 3,334,955	20,101,741 903,706	18,328,599 4,967,527	9,050,249	6,477,233
9017207000		(301,750)	0	(15,927)	(116,082)	(256,982)	(85,725)	(327,609)
9017208040 9018110040		136,064 2,925,956	3,711,507 6,390,990	5,142,652 3,820,437	7,516,187 1,372,046	990,478 1,553,578	(16,673,889) 4,595,734	(11,158,264) 2,780,414
9018113000	ELECTROCARDIOGRAPHS	(6,692,983)	(5,062,236)	(1,755,119)	(2,335,290)	(2,173,868)	(2,047,120)	(2,977,934)
9018116000 9018119000		(161,259) (1,096,071)	(51,156) (607,067)	(15,709) (1,323,932)	(244,993) (1,250,191)	(1,466,823) (2,029,770)	(768,818) (3,720,999)	(1,225,862) (2,131,096)
9018120000	ULTRASONIC SCANNING APPARATUS	20,608,025	28,456,952	23,770,613	41,563,745	49,713,162	52,964,009	51,778,406
9018130000 9018140000		23,348,155 1,958,672	27,878,396 1,916,711	16,350,469 2,308,802	18,205,461 2,364,426	24,231,542 4,203,397	41,142,908 6,512,516	14,391,211 2,881,937
9018194000	ELECTRO-DIAGNOSTIC APPARATUS FOR FUNCTIONAL EXPLOR	5,777,691	5,058,291	7,324,753	18,437,145	18,117,056	15,070,158	13,755,805
9018195500 9018197500		9,862,222 264,032	18,150,448 134,120	14,682,420 480,933	20,870,529 437,021	16,771,439 2,955,790	16,521,623 1,505,849	13,643,508 3,741,031
9018199535	ELECTROENCEPHALOGRAPHS (EFG) AND ELECTROMYOGRAPHS	1,316,532	884,976	1,070,303	1,338,356	1,157,469	3,315,867	4,298,187
9018199550 9018199560		2,860,689 (5,027,874)	29,342 (3,653,078)	(568,464) (6,938,391)	4,826,345 (4,105,697)	12,215,701 (11,896,895)	14,380,383 (15,156,001)	12,088,981 (30,898,651)
9018500000		7,567,119	5,147,795	7,289,140	11,699,281	17,587,057	14,131,598	5,463,117
9018901500 9018903000		818,676 3,318,443	3,042,768 5,012,982	742,399 4,226,338	832,601 2,948,132	2,517,266 5,249,689	4,696,712 6,333,021	1,211,830 5,142,827
	ELECTRO-SURGICAL INSTRUMENTS AND APPLIANCES AND PARTS AND ELECTRO-SURGICAL INSTRUMENTS AND APPLIANCES AND PA	7,782,261	10,877,788	7,225,535	6,388,452	4,015,736	6,223,819	9,879,419
9018906400 9018906800		(64,000) (626,657)	0 (254,005)	(57,541) (7,368)	(149,714) (43,639)	(180,169) (50,210)	(517,837) (286,400)	(56,406) (143,097)
9018907040		56,104	10,154	113,629	24,013	16,600	84,948	77,729
9018907060	OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE ELECTRO-MEDICAL INSTRUMENTS AND APPLIANCES AND PAR	171,993	1,324,654	1,151,944	2,783,458 5,831,728	2,074,087 6,559,103	2,835,393	2,963,890
	ULTRASONIC THERAPEUTIC APPLIANCES AND INSTRUMENTS	2,701,285	3,118,175	7,114,588 (13,129)	(27,060)	(2,130)	18,460,876 (9,750)	21,186,150 (26,810)
	OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE	(68,720) (4,637,107)	(177,969)	(38,049) (10,000,000)	(220,311)	(1,789,623)	(6,676,929)	(6,348,278)
9018908000 9019102000	OTHER INSTRUMENTS AND APPLIANCES USED IN MEDICAL, MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS;	552,825	<mark>(6,265,100)</mark> 1,175,522	879,347	(19,000,000) 898,929	(27,062,969) 1,014,492	(32,790,831)	(49,716,967)
	MECHANO-THERAPY APPLIANCES	(4,130,058)	(7,267,918)	(6,404,373)	(5,980,577)	(5,995,620)		
	MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY	(45,616,801) (23,673,605)	(57,143,717) (26,920,956)	(52,000,000) (29,000,000)	(46,000,000) (31,000,000)	(47,736,740) (30,160,194)		
9019102035	MASSAGE APPARATUS, POWERED BY AC ADAPTER	(64,617,629)	(59,055,594)	(89,000,000)	(49,000,000)	(59,218,943)		
9019102045 9019102050	MASSAGE APPARATUS,ELECTRICALLY OPERATED (EXCEPT BA MASSAGE APPARATUS NOT ELECTRICALLY OPERATED	(68,762,635) (3,855,413)	(58,999,221) (5,610,279)	(61,000,000) (7,337,539)	(110,000,000) (8,698,452)	(119,000,000) (10,635,681)		
9019102090	MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS;	(2,463,215)	(5,170,865)	(4,857,231)	(5,935,675)	(11,867,170)		
9019106000 9019200000	PSYCHOLOGICAL APTITUDE TESTING APPARATUS AND PARTS OZONE THERAPY, OXYGEN THERAPY, AEROSOL THERAPY, AR	(1,173,589) (10,146,422)	(104,575) (10,942,543)	(182,728) (18,000,000)	(198,154) (22,000,000)	(337,480) (34,050,062)	(60,711,232)	(85,014,873)
9021100090	ORTHOPEDIC OR FRACTURE APPLIANCES & PTS, NESOI			(34,000,000)	(41,000,000)	(63,146,444)	(76,586,664)	(98,842,756)
	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES OTHER ORTHOPEDIC OR FRACTURE APPLIANCES AND PARTS	1,134,153 (16,160,574)	1,636,181 (23,064,181)					
9021300000	OTHER ARTIFICAL PARTS OF THE BODY AND PARTS AND AC	(332,234)	(400,351)					
	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES OTH ARTIFICAL PTS OF THE BODY & PTS & ACCESSORIES			2,000,585 (2,980,285)	1,582,965 (1,324,092)	3,467,996 3,184,109	9,224,955 4,392,134	8,704,517 14,592,502
9021400000	HEARING AIDS, EXCLUDING PARTS AND ACCESSORIES	(72,003)	(783,826)	(2,731,700)	(4,059,186)	137,487	(298,258)	(47,743,624)
	PACEMAKERS FOR STIMULATING HEART MUSCLES, EXCLUDIN PARTS AND ACCESSORIES FOR PACEMAKERS FOR STIMULATI	53,172 0	(5,421) (17,078)	6,743 (11,913)	(45,385) (11,115)	321,560 (120,147)	638,351 (34,369)	410,304 (39,005)
9022120000	APPRTUS BASED USE OF X-RAYS FOR MEDICAL, SURGICAL,	5,831,106	19,832,102	15,381,752	9,809,516	11,501,977	37,235,945	7,801,739
	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL, APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	865,603 16,635,598	43,288 55,339,261	142,911 39,221,004	212,262 86,533,841	359,700 53,621,607	597,878 46,951,902	444,401 45,426,373
9022190000	APPARATUS BASED ON THE USE OF X-RAYS FOR OTHER USE	15,307,643	11,956,572	1,588,788	7,083,589	11,350,218	8,943,879	25,183,681
	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA	1,187,786	2,137,057	2,537,122	3,400,413	1,721,952	5,316,594	2,808,253
	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA X-RAY TUBES	522,272 12,347,389	1,130,473 13,806,103	1,326,116 14,306,688	1,438,207 16,748,456	2,598,144 19,319,675	3,613,980 17,396,040	5,933,261 16,196,186
	RADIATION GENERATOR UNITS	(115,000)	(121,737)	(633,713)	(392,569)	(343,230)	(602,203)	(285,379)
	HIGH TENSION GENERATORS, CONTROL PANELS, DESKS, SC PARTS AND ACCESSORIES OF X-RAY TUBES	205,893 30,946	1,415,557 163,712	891,344 809,164	1,285,599 1,518,704	1,100,919 1,311,398	1,424,736 2,314,125	1,670,379 1,644,133
9022907000	PARTS AND ACCESSORIES OF SMOKE DETECTORS, IONIZATI	(2,215,774)	(2,328,074)	(2,260,632)	(2,100,593)	(786,164)	(418,350)	(77,138)
	PARTS AND ACCESSORIES OF HIGH TENSION GENERATORS, MACHINES AND APPLIANCES FOR TESTING METALS	(<mark>56,925)</mark> 3,690,868	(136,024) 4,175,476	<mark>(109,820)</mark> 11,341,176	<mark>(149,596)</mark> 9,997,211	<mark>(513,980)</mark> 12,728,302	(1,560,500) 10,818,562	(1,618,553) 21,941,257
9024800000	OTHER MACHINES AND APPLIANCES FOR TESTING THE HARD	17,645,277	24,124,455	24,941,652	37,219,746	42,591,240	52,531,448	43,150,160
9024900000	PARTS AND ACCESSORIES FOR MACHINES & APPLIANCES FO	6,969,961	11,240,920	15,164,697	27,109,479	26,972,435	21,382,942	32,059,315

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HS Code	Commodity Descripton	2000	2001	2002	2003	2004	2005	2006
9027202000	GAS CHROMATOGRAPHS	2,795,051	9,224,418	18,663,969	13,333,688	24,789,698	28,893,268	26,122,262
9027205030		7,743,754	4,322,363	2,307,779	12,075,685	11,275,908	13,955,198	14,562,211
9027206050		2,483,174	5,826,219	2,928,865	4,208,858	9,417,574	9,585,937	15,172,724
9027209000		831,595	1,349,251	1,959,570	1,466,423	5,678,718	4,211,641	7,535,680
9027308020 9027502000		11,962 5,658,894	98,000 7,295,587	28,500 5,009,652	32,914 9,364,380	<mark>(2,200)</mark> 9,986,157	(15,930) 16,240,569	(57,500) 14,152,516
9027504050		137,494	205,765	492,181	(4,317,999)	335,651	1,541,762	3,091,457
9027505000	OTHER CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS,	3,118,475	6,192,805	8,257,681	9,354,527	26,012,654	30,377,451	36,467,460
9027509000	INSTRUMENT AND APPARATUS FOR PHYSICAL OR CHEMICAL	4,710,792	14,518,065	10,735,698	14,476,580	16,246,722	22,129,032	25,381,746
9027801000		754,792	2,011,568	1,087,232	1,618,768	1,669,127	1,845,107	1,714,784
9027802000 9027803100		2,390,008 3,375,744	9,648,647 3,919,593	13,023,075 4,178,334	17,287,049 5,516,584	24,649,466 3,800,214	24,312,372 7,274,024	42,532,955 8,463,641
9027803200		7,045,117	13,885,599	13,298,146	11,504,593	11,182,382	14,652,071	14,344,912
9027808000	INSTRUMENTS AND APPARATUS FOR MEASURING/CHECKING V	11,433,152	14,259,497	14,868,447	20,812,677	20,638,755	18,788,123	22,471,345
9027902000		(342,441)	(628,988)	(534,612)	(113,689)	(387,496)	318,998	1,217,416
9027905430	PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	1,382,877	1,680,424 72,175	1,218,890 238,631	1,562,272 151,488	5,898,984 749,522	13,694,238	7,490,967
9027905440		6,024 13,331,096	32,627,936	28,975,006	38,937,226	34,610,219	1,318,706 51,460,986	546,988 67,698,928
9029206000		(2,094)	(73,512)	(9,723)	27,684	62,360	93,911	(311,426)
9030100000	INSTRUMENTS AND APPARATUS FOR MEASURING OR DETECTI	3,882,241	7,491,513	6,225,223	5,080,195	4,275,538	9,032,429	15,421,823
9030200000		7,992,527	10,426,248	4,821,946	3,395,739	2,605,568	4,551,992	1,230,474
9030310000	MULTIMETERS APPARATUS TO TEST VOLTAGE OR CURRENT OR RESISTANCE	(10,043,072) (4,564,596)	(5,785,424) 454,479	(9,217,403)	(19,000,000) (2,612,084)	(36,662,076) (4,015,262)	(44,747,977)	(50,613,810)
9030390040		6,159,191	454,479	(3,660,667) 8,753,148	6,385,797	(4,015,262)	6,858,589 9,171,046	7,350,297 12,943,155
9030400000		14,123,866	65,099,585	37,940,926	33,535,843	54,762,687	37,181,130	36,428,521
9030820000		37,973,341	32,243,906	52,030,010	49,916,234	119,507,791	98,955,139	160,159,489
9030906400		(168,296)	(253,978)	(81,544)	(131,879)	(1,304,206)	(1,833,342)	(11,209,275)
9030906800 9031410000		(1,268,782)	(1,736,098)	(1,187,826)	(1,632,913)	(5,967,315)	(4,740,122)	(11,835,588)
9031410000		18,290,773 (4,000)	34,282,128 (6,000)	52,845,847 (9,796)	45,908,594	110,000,000	76,832,966 (8,295)	116,449,020 0
	OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPE	(200,000)	(0,000)	(10,438)	(14,417)	(383,365)	(419,103)	(13,737)
9031410060		(6,900)	(21,497)	(24,786)	(184,745)	(20,148)	(117,875)	(282,642)
9031494000	COORDINATE-MEASURING MACHINES	(3,590)	(4,800)	5,024,440	8,556,434	11,514,113	14,908,980	17,489,173
9031804000		0	(105,604)	(38,396)	(101,127)	(17,227)	0	(616,900)
9031808060	EQUIPMENT FOR TESTING ELECTRICAL CHARACTERISTICS O PARTS & ACCESSORIES OF MACHINES, NESOI IN THIS CHA	4,242,761 8,400,624	4,103,021 11,841,611	3,961,004 16,479,613	7,772,396 19,491,653	10,251,483 33,997,118	13,861,568 38,124,726	11,288,827 44,010,867
	THERMOSTATS	2,440,796	905,505	2,140,878	4,456,426	5,408,525	5,154,223	3,144,448
9032100030	THERMOSTATS, AIR COND, REFG/HEATING SYS WALL MOUNT	, , ,	,	(30,000,000)	(43,000,000)	(67,255,379)	(94,310,255)	(98,833,747)
9032100060				(6,732,072)	(11,000,000)	(14,416,809)	(15,847,604)	(19,141,983)
9032100090		000.070	004 400	(17,000,000)	(20,000,000)	(23,396,098)	(32,515,426)	(40,165,194)
9032810040 9032810080		606,870 741,799	901,493 1,128,207	2,705,515 1,515,314	715,234 797,363	3,647,238 763,336	3,868,859 873,195	4,689,935 3,502,075
9032893000		905,595	615,705	8,346,381	2,541,343	3,288,352	2,245,195	5,483,743
9032896020	CONTROL INSTRUMENTS FOR AIR CONDITIONING, REFRIGER	1,524,808	2,597,414	5,109,760	6,163,238	5,734,321	7,259,627	12,293,485
9032896030	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR COMP	7,498,034	10,965,956	7,560,332	10,381,311	11,612,475	6,866,415	7,962,657
9032896040		(3,021,779)	(3,005,545)	(15,000,000)	(12,000,000)	(2,245,795)	1,593,703	(9,087,770)
9032896050 9032896060		46,313 (1,065,395)	466,996 (1,710,548)	837,569 442,204	927,346 (3,475,577)	2,834,427 (14,906,159)	5,156,649 (5,464,468)	7,930,677 1,790,186
9032896070		(2,931,245)	(398,855)	(1,281,212)	(578,542)	(1,813,575)	(1,819,557)	(179,331)
9032896075		4,520,729	5,963,891	11,128,366	15,584,500	4,142,560	(781,652)	(1,750,641)
9301200000				0	8,296			
9304002000		(2,017,581)	(2,338,181)	(2,355,568)	(1,684,927)	(3,791,067)	(8,549,083)	(22,036,068)
9304006000 9305108000		(281,599)	(476,369) (22,769)	(372,816) (179,050)	(758,443) (716,918)	(850,898) (568,292)	(1,175,701) (970,430)	(1,793,152) (1,761,327)
9305905000		(690,427)	(362,777)	(170,000)	(110,010)	(000,202)	(070,400)	(1,701,327)
9305995000				(2,082,184)	(4,616,903)	(4,333,326)	(4,036,280)	(11,538,345)
	PARTS OF CARTRIDGES, NESOI	(2,725)	55,130	20,952	20,107	(134,387)	20,739	(372,699)
9306900020				(40.044)	(20,000)	0	36,600	0
9306900040	BOMBS, GRENADES, TORPEDOS, & SIML MUNITIONS OF WAR PARTS FOR GUIDED MISSILES	1,044,620	22,880	(16,314) 0	(38,088) 0	<mark>(67,668)</mark> 4,575,250	(67,643)	(333,248)
	PARTS FOR GUIDED MISSILES PARTS FOR BOMBS, GRENADES, & SIML MUNITIONS OF WAR	1,044,020	22,000	0	0	(33,213)	(15,155)	(23,119)
9810006000			0	(35,085)	(29,972)	(40,000)	(13,133) (21,840)	(122,763)
US Department of Commerce, Bureau of the Census and MBG Information Services								