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Electronic Information Products Classification and Explanations

The Section 1 of Article 3 of the “Administrative Method for the Control of Pollution Caused by Electronic Information Products” (hereinafter “Administrative Method”) provides the definitions of electronic information products. The defined electronic information products are grouped into ten major categories, which set the limitation of the scope of the “Administrative Method”. In order to help those who have concerns about the “Administrative Method” understand the meaning of definition of electronic information products, the following annotations to the products that applicable to the Administrative Method are given based on the Ministry’s Classification of the Electronic Information Industry used for gathering economical statistical index of the electronic information industry.

Radar Equipment and Products

Radar Equipment

I. Command Automation System

II. Radar and Accessory Equipment

1. Ground Radar and Vehicle Borne Radar
2. Airborne Radar, Space-borne Radar and Missile Radar
3. Shipboard Radar

Communications Equipment and Products

Communications Transmission Equipment

I. Communications Transmitter

1. Short Wave and Single Side Band Transmitter
2. Long Wave and Ultra Long Wave Transmitter
3. Short Wave Self-Adapting Transmitter
4. Other Transmitters

II. Communications Receiver

1. Short Wave and Single Side Band Receiver
2. Long Wave and Ultra Long Wave Receiver
3. Digital Receiver

III. Microwave Communications Equipment

1. Microwave Transceiver for Communication
2. Microwave Terminal Set
3. Microwave Antenna, Feed Line
4. Other Microwave Equipment

IV. Satellite Application Products

1. Antenna for Satellite Earth Station
2. Low Noise Amplifier for Satellite Earth Station
3. Up/Down Frequency Converter for Satellite Earth Station

4. High Power Amplifier for Satellite Earth Station
5. Terminal Set for Satellite Earth Station
6. Satellite Remote Sensing Receiving equipment
7. Satellite Navigation equipment
8. Satellite Meteorology Receiving Instrument
9. Other Satellite Earth Stations and Antennas

V. Scatter Communications Equipment

1. Scatter Communications Terminal Set
2. Scatter Channel Machine
3. Scatter Communications Antenna

VI. Equipment for Communications, Navigation, and Orientation

1. Aircraft Communication, Navigation, and Orientation Equipment
2. Marine Communication, Navigation, and Orientation Equipment
3. Ground Communication, Navigation, and Orientation Equipment
4. Communication, Navigation, and Orientation Equipment for other purposes

VII. Carrier Communications Equipment

1. Carrier Terminal
2. Carrier Repeater
3. Power Carrier Equipment

VIII. Optical Communications Equipment

1. Fiber-Optic Cable Terminal
2. Fiber-Optic Cable Trunking Equipment
3. Fiber-Optic Cable Amplifier
4. Wavelength Division Multiplexer (WDM)
5. Cross Connection Equipment
6. Other Equipment

Communications and Switch Equipment

I. Switch

1. Stored Program Control (SPC) Exchange (Excludes the Mobile Stored-Program Control Switch)
 - i. Stored Program Control Exchange for Central Office
 - ii. Private Branch Stored Program Control Exchange
 - iii. Asynchronous Transfer Mode (ATM) and Internet Protocol (IP) Switch
 - iv. Others SPC Equipment
2. Telephone Typewriter (Teletype)
3. Other Switchboards

II. User Access Device

1. Wireless Access Device
2. Cable Access Device
3. Fiber-optic Access Device
4. Access Terminal Device

Communications Terminal Device

I. Small or Medium Size Transceiving Broadcasting Station

1. Short Wave Broadcasting Station
2. Ultra Short Wave Broadcasting Station
3. Short Wave Frequency-Hopping Broadcasting Station
4. Ultra Short Wave Frequency-Hopping Broadcasting Station
5. Short Wave Single Side Band Broadcasting Station
6. Other Transceiving Broadcasting Stations

II. Telephone Set

1. Common Telephone Set
2. Recording Telephone Set
3. Video Telephone Set

4. Cordless Telephone
5. Card Insertion Telephone
6. Coin Pay Phone
7. Special Type Telephone (Includes Security and Underground Mining Telephones)
8. Other Telephones

III. Data Communications Equipment

1. Facsimile Machine
2. Data Set (Includes Mechanical & Electronic Typewriter)
3. Digital Packet Switch & Packet Assembler and Disassembler (PAD)
4. Others

IV. Communication Electronic Countermeasures Equipment

1. Communication Reconnaissance Equipment
2. Communication Direction Finder Equipment
3. Communication Jamming Equipment
4. Communication Encryption Equipment

V. Communication Navigation Vehicle

1. Radio Communications Vehicle
2. Wired Communications Vehicle
3. Communication Countermeasures Vehicle

VI. Communication Accessory Products

1. Primary Power Equipment
2. Secondary Power Equipment
3. Network Administration, Charging and Monitoring Equipments
4. Diesel Engine for Communications
5. Microwave Accessory Equipment
6. Telephone Accessory Equipment
7. Carrier Wave Accessory Equipment
8. Wire Distribution Equipment

Mobile Communications Equipment

I. Digital Cellular Wireless Telephone System Equipment

1. Base Station Equipment
2. Base Station Antenna
3. Direct Amplifying Station
4. Switching Equipment

II. Wireless Paging System Equipment

1. Equipment for Paging Base Station
2. Other Paging Equipment

III. Colony Mobile Communications System Equipment

1. Base Station Equipment
2. Base Station Antenna (for Dispatching or Private Network Systems)
3. Switching Equipment

IV. Medium and Small Automatic Wireless Telephone System Equipment

1. Exchange Base Station Equipment
2. Other Devices

V. Device for Communications System without a Central Controller

Mobile Communications Terminal Device

I. Mobile Communications Terminal

1. GSM Mobile Phone
2. CDMA Mobile Phone

II. Other Mobile Communications Terminal

1. Car Telephone
2. Interphone
3. Radio Paging Set

4. Personal Access System (PAS) Handset

Communications Repairing Equipment and Other Communications Equipment

I. Other Communications Associated Equipment

1. Modem for Communications
2. Wire Distribution and Extension Device for Communications

Radio and Television Broadcasting Industry Products

Equipment for Radio and Television Programming, Transmitting and Transmission

I. Audio Program Production and Studio Equipments

1. Equipment Dedicated for Radio Recording and Playback
2. Audio Mixing Console
3. Studio Monitor (Set)

II. Audiovisual Program Production and Studio Equipments

1. Equipments for Television Programming and Broadcasting Center
2. Equipments for News Gathering
3. Special Video Recorder
4. Video Editing Device
5. Camcorder for Broadcast and Television
6. Signal Generator
7. Video Information Processing Equipment
8. Television Signal Synchronizer
9. Equipment for Television Image and Text Creation System

III. Broadcasting Transmitting Device

1. Short Wave Transmitter
2. Medium Wave Transmitter
3. Frequency-modulation Transmitter
4. Digital Sound Broadcasting Transmitter
5. Broadcast Transmission Antenna and Associated Equipment

IV. Television Transmitting and Transponder Equipment

1. Television Transmitter
2. Television Transponder
3. Ground Antenna
4. Associated Equipment for Television Transmitting and Transponder

V. Satellite Television Transmitting and Transponder Equipment

1. Satellite Television Transmitting Equipment
2. Satellite Television Transponder Equipment

VI. Cable Television Network Transporting Device

1. Cable Television Headend Equipment
2. Fiber-optic Cable Transmission Equipment
3. Cable Transmission Equipment

Receiving Equipment and Accessories for Radio and Television Broadcasting

I. Television Receiving Equipment

1. Special Projection Television Set
2. Video Monitor

II. Radio Receiving Equipment

1. Radio Receiving Equipment
2. Radio Receiving Equipment for Motor Vehicle

III. Receiving Equipment for Satellite Radio and Television Broadcasting

1. Satellite Radio and Television Receiving Equipment
2. Satellite Radio and Television Receiving Antenna
3. Satellite Radio and Television Receiving High Frequency Head
4. Integrated Satellite Radio and Television Receiving Machine

IV. Receiving Equipment for Cable Television

1. User Terminal Equipment
2. Equipment of Cable Television Distribution System
3. Associated Equipment for Cable Television

V. Professional Equipments of Audio Recording, Video Recording and Playback

1. Audio Power Amplification Device
2. Recording repeater
3. Professional Phonograph
4. Equipments for Voice and Language Laboratory

VI. Video Recording and Playback Device

1. Video Compact Disc Playback Device
2. Video Tape Recorder
3. Video & Audio Coder

VII. Fittings and Accessories of Radio and Television Broadcast Receiving Equipment

1. Electronic Audio Amplifier
2. Sound Pick-up
3. Magnetic Head
4. Sound Transmitter (MIC)
5. Microphone
6. Headphone
7. Combined Speaker Set - Speaker
8. Other Accessories
9. Special Antenna
10. Antenna Generator
11. Antenna Rotor
12. Mixer
13. Distributor
14. Splitter
15. User Box

Application Television Equipment and Other Radio and Television Broadcast Equipment

I. Application Television Device

1. Universal Application Television Device
2. Application Television Monitoring Device for Special Environment
3. Application Television Device with Special Function
4. Special Type Application Television Device

II. Other Radio and Television Broadcast Devices

1. Relief Television Equipment
2. Multiplex Broadcasting Equipment
3. Big Screen Color Display System
4. Electronic Display Screen
5. Touch Screen

Computer Industry Products

Complete Set of Electronic Computers

I. Large or Medium-Scale Computer Work Station

1. Large or Medium-Scale Computer (Note 1)
2. Small-scale Computer (Note 2)
3. Workstation

II. Personal Computer Equipment

- 1 Desktop Personal Computer
 - i. Commercial Personal Computer
 - ii. Household Personal Computer
- 2 Server

- 3 Industrial Computer
- 4 Portable Personal Computer
 - i. Notebook Computer
 - ii. Handheld Computer
- 5 Learning Machine
- 6 Handheld Information Terminal
 - i. Personal Digital Assistant (PDA)
 - ii. Electronic Instant-Dictionary
 - iii. Electronic Notepad
 - iv. Electronic Dictionary

Computer Network Equipment Industry

I. Network Controlling Device

1. Communications Controlling Processor
2. Concentrator
3. Final Controller

II. Network Interface and Adapter

1. Network Transceiver
2. Network Transponder
3. Network Allotter
4. Ethernet Exchanger

III. Network Connecting Device

1. Hub
2. Modem
3. Internet Protocol Telephone (IP Phone)
4. Router
5. Firewall (Excludes Software Firewall)

IV. Network Testing Device

1. Protocol Analyzer
2. Protocol Test Equipment
3. Error Detecting Device

Electronic Computer Peripherals

I. Display Terminal Device

- 1 Chinese Character Display Terminal
- 2 Graphic and Image Display Terminal
- 3 Display
 - i. Monochrome Display (CRT) (Includes Displays for Television)
 - ii. Color Display (CRT) (Includes Displays for Television)
 - iii. Flat Panel Display (Includes Liquid Crystal, PDP etc.)

II. Input Device

1. Plotter
2. Digitizer
3. Scanner
4. Mouse
5. Keyboard
6. IC Card Reader/Writer
7. Digital Camera
8. Magnetic Card Reader and Writer
9. Lens of Digital Camera

III. Output Device

- 1 Printing Device
 - i. Stylus Printer
 - a. Universal Stylus Printer
 - b. Ticket Printer

- c. Line Printer
- ii. Laser Printer
- iii. Ink Jet Printer
- iv. Multifunction Printer
- 2 Audio Output Device
- 3 Image and Graphic Output Device

IV. External Storage Device

- 1 Floppy Disk Drive
 - i. Common Floppy Disk Drive
 - ii. High Capacity Floppy Disk Drive
- 2 Hard Disk Drive
 - i. Hard Disk Drive
 - ii. Disk Array
 - iii. Removable Hard Disk
 - iv. Mini Removable Hard Disk (U Disk)
- 3 CD Drive
 - i. Compact Disc Read-Only Memory Drive (CD-ROM)
 - ii. Digital Versatile Disc Read-Only Memory Drive (DVD-ROM)
 - iii. Rewritable Digital Versatile Disc Drive (DVD-RW)
 - iv. MO Drive
 - v. PD Drive
 - vi. Other Compact Disc Drives
- 4 Tape Storage Device

V. Digital Information Product

- 1. Digital Storage, Recording and Playback Products
- 2. Automatic Public Information Service System
- 3. Others

Electronic Computer Associated Products and Materials

I. Boards and Cards for Personal Computer

- 1. Mainboard
- 2. Random-access Memory Module
- 3. Sound Card
- 4. Display Card
- 5. Network Card
- 6. Other Functional Cards and Interface Cards

II. Power Supply

- 1. Switching Power Supply
- 2. Un-interruptible Power Supply (UPS)

III. Other Associated Products and Consumable Materials

- 1. Computer Cabinet
- 2. Floppy Disk
- 3. Compact Disc
- 4. Printer Head
- 5. Ink Cartridge
- 6. Magnetic Card
- 7. IC Card
- 8. Ribbon
- 9. Drum Cartridge

Electronic Computer Application Products

I. Electronic Publishing System

- 1. Precise Photo-typesetting System
- 2. Quick-printing System

II. Computer Aided Education System

III. Calculator

IV. Electronic Products for Finance, Commerce, Taxation Affairs

1. Automatic Banknote Machine
2. Coin Counting Machine
3. Recounting Machine
4. Automatic Teller Machine (ATM)
5. Finance Self-Service Online Terminal
6. Point of Sale (POS) Machine
7. Tax Control Meter for Fueling Machine
8. Tax Control Meter for Taxi
9. Other Finance Products

V. Other Application Products

1. Computer Controlled Bus Station Announcer
2. Video Equipment for Motor Vehicles
3. Phone Bill Metering Apparatus
4. Other Computer Application Products

Household Electronic Products

Television Set

I. Television Set

- 1 Color Television Set
 - i. 37 cm
 - ii. 44 cm
 - iii. 47 cm
 - iv. 49 cm
 - v. 51 cm
 - vi. 53 cm
 - vii. 56 cm
 - viii. 64 cm
 - ix. 74 cm
 - x. More Than 74 cm
- 2 Projection Television Receiver
 - i. Rear-Projection Television
 - ii. Front-Projection Television
- 3 PDP Television Set
- 4 Black and White TV Set
 - i. 11 cm
 - ii. 14 cm
 - iii. 31 cm
 - iv. 35 cm
 - v. 44 cm
 - vi. More Than 44 cm
- 5 LCD Television Set

Vidicon, Video Cassette Recorder and Laser Compact Disc Player

I. Video Cassette Recorder

1. Video Recorder / Player
2. Video Player
3. Household Video Camcorder

II. Radio Record Player

1. Mini Player (Excludes Audio Player)
2. Audio recorder / player (Includes Audio Player)

3. Language repeaters

III. Digital Laser, Audio and Video Compact Disc Player

1. VCD Player
2. VCD Recorder / Player
3. DVD Audio Player
4. DVD Video Player
5. DVD Video Recorder / Player
6. Compact Disc Recorder (Includes CD-R and DVD-R)
7. Rewritable Compact Disc Recorder (Same as Above)

Household Electronic Acoustic Appliance

I. Household Acoustic Appliance

- 1 Radio Set
 - i. Mini Radio Set
 - ii. Others
- 2 Music Center
- 3 MP3, MP4 Player
- 4 CD Player
- 5 Power Amplifier

II. Electronic Acoustics Appliance for Motor Vehicle

III. Main Fittings and Accessories for Household Electronics and Electrical Appliance

- 1 Tuner
 - i. Electronic Tuner
 - ii. Mechanical Tuner
- 2 Line Output Transformer
- 3 Deflecting Coil
- 4 Core for Audio Recorder and Video Recorder
 - i. Audio Recorder Core
 - ii. Video Recorder Core
 - iii. Compact Disc Player Core
 - iv. Core for Video Compact Disc Player and Digital Video Disc Player
- 5 Magnetic Head
 - i. Recording Head
 - ii. Video Head
 - iii. Magnetic Head for Hard Disk Drive
 - iv. Magnetic Head for Floppy Disk Drive
 - v. Magnetic Head for Tape Drive
 - vi. Other Magnetic Heads
- 6 Optical Head
 - i. Optical Head for Audio Player
 - ii. Optical Head for Video Player
 - iii. Optical Head for Read-Only Memory (ROM)
 - iv. Optical Head for Laser Recorder
 - v. Others
- 7 Antenna
 - i. Whip Antenna
 - ii. Indoor Aerial
 - iii. Others
- 8 Magnetic Tape
 - i. Audio Tape
 - ii. Video Tape
- 9 Audio and Video Compact Disc
 - i. Laser Audio Compact Disc (CD)
 - ii. Laser Video Compact Disc (VCD)
 - iii. Laser Digital Video Compact Disc (DVD)

- iv. Others
- 10 Magnetic Drum for Audio and Video Recorder
- 11 Switching Power for VCD and DVD Players
- 12 Television Receiver Set-Top Box
 - i. Cable TV Set-Top Box
 - ii. Ground Broadcasting Set-Top Box
 - iii. Satellite Broadcasting Set-Top Box

Electronic Measuring Instrument Products

Electronic Measuring Instrument

I. Frequency Measuring Instrument

1. Digital Pulse Frequency Meter
2. Analog Frequency Meter
3. Counter
4. Spread Spectrum Device of Counter
5. Time Measuring Apparatus
6. Special Type Counter
7. Standard Frequency Generator
8. Frequency/Phase Comparator

II. Voltage Measuring Apparatus

1. DC digital voltmeters
 - Of which: Digital High Frequency Voltmeter
2. Digital Multimeter
3. Voltage Source Standard Device
4. Analog Voltmeter
 - Of which: Analog High Frequency Voltmeter
5. Digital Panel Meter
6. Others

III. Oscilloscope

1. Digital Readout and Digital Storage Oscilloscope
2. Universal Oscilloscope
3. Sampling, Storage and Memory Oscilloscope
4. Other Oscilloscopes with Logic Analyzer
5. Special Oscilloscope
6. Oscilloscope Calibrator

IV. Device Parameter Measuring Apparatus

1. Digital IC Tester
2. Hybrid IC Tester
3. Photoelectric Device Tester
4. Power Electronic Device Tester
5. Semiconductor Device Graphic Instrument
6. Others

V. Component Parameter Measuring Apparatus

VI. Pulse Measuring Apparatus

VII. Scan, Frequency Spectrum Waveform Analyzer

1. Sweep Generator
2. Spectrum Analyzer
3. Distortion Measuring Apparatus
4. Frequency Deviation Modulation Measuring Instrument
5. Phase Shifter
6. Others

VIII. Microwave Measuring Apparatus

- 1 Network Characteristic Tester and Network Analyzer
- 2 Composite Radar Tester

- 3 Microwave Power Amplifier
- 4 Microwave Leakage Detector
- 5 Other Microwave Instruments
- 6 Microwave Measuring Instrument Components
 - i. Microwave Attenuator
 - ii. Microwave Filter
 - iii. Waveguide
 - iv. Other Microwave Components

IX. Communications Measuring Instrument

- 1 Carrier Communication Measuring Apparatus
- 2 PDH / SDH Transmission Analyzer
- 3 Analog / Digital Mobile Communication Base and Mobile Station

X. Radio and Television Broadcast Measuring Instrument

XI. Ultra Low Frequency Measuring Apparatus

1. Ultra Low Frequency Signal Analyzer
2. Frequency Response Analyzer
3. Ultra Low Frequency Generator
4. Voltmeter
5. Filter and Amplifier
6. Phase Meter
7. Others

XII. Acoustical Measuring Instrument

1. Power Supply, Sonic Boom Signal Generator
2. Sound Level Meter
3. Frequency Multiplication Filter
4. Electroacoustic Generator
5. Vibration Pulse Shock Measuring Instrument
6. Calibration Device for Sound Vibration
7. Whole Unit of Sonic Boom Device
8. Other Acoustical Devices

XIII. Interference Field Strength Meter

1. Interference Field Strength Meter
2. Testing Receiver
3. Other Measuring Instruments

XIV. Regulated Power Supply

1. Voltage Regulated DC Power Supply
2. Voltage Regulated AC Power Supply with Constant Voltage
3. Voltage/Current Regulated Power Supply
4. Preparation Power Supply for Infallible Component Measurement
5. Klystron Power Supply
6. Pulse Power Supply
7. Inverter Power Supply
8. Laser Power Supply
9. Emergency Power Supply
10. Other Power Supplies

XV. Recorder and Display

1. Recorder
2. Display

XVI. Signal Generator

1. Low Frequency Signal Generator
2. High Frequency Signal Generator
3. Ultra High Frequency Signal Generator
4. Microwave Signal Generator
5. Power Signal Generator
6. Scan Signal Generator

7. Signal Generator for Frequency Synthesizer
8. Power Amplifiers
9. Digital Signal Generator
10. Others

XVII. Power Meter

1. Power Meter with Low Measuring Range
2. Power Meter with Medium Measuring Range
3. Power Meter with High Measuring Range
4. Pulse Power Meter
5. Laser Power Meter

XVIII. Other Measure Instruments

1. Crystal Oscillator
2. Breakdown Device
3. Standard Inductor Capacitor and Resistor
4. Heat Distribution Meter
5. Air Target Trainer
6. Solderability Tester
7. Laser Distance Measuring Instrument
8. Hydroacoustic Device
9. Atom Radial Instrument
10. Meteorologic Instruments

Electronic Industry Specified Equipment and Products**Electronic Industry Specified Equipment****I. Equipments Specified for Semiconductor Device and Integrated Circuit**

1. Equipments for Semiconductor Preparation, Epitaxy and Chemico-Mechanical Polishing
2. Equipments for Exposure, Corrosion and Gel Homogeneity Developing
3. Equipments for Diffusion, Ion Implantation and Quick Heat Treatment
4. Equipments for Chemical, Physical, Vapor Disposition and Copper Plating
5. Equipments for Subsequent Assembling and Package Producing
6. Online Process Testing Equipment
7. Intermediate/End Product Testing Equipment
8. Others

II. Electronic Vacuum Device Production Specified Equipment

1. Electron Tube Production Equipment
2. Electric Light Source Production Equipment
3. Liquid Crystal Display Device Production Equipment
4. Vacuum Switching Tube Production Equipment
5. Kinescope and Electron Gun Production Equipment
6. Others

III. Electronic Components Production Specified Equipment

1. Resistor, Potentiometer Production Equipment
2. Capacitor Production Equipment
3. Ceramic Components Production Equipment
4. Magnetic Materials and Components Production Equipment
5. Printed Circuit Board Production Equipment
6. Cable Production Equipment
7. Sensing Devices and Sensor Production Equipment
8. Frequency Components and Devices Production Equipment
9. Green Battery Production Equipment
10. Others

IV. Electronic Components Assembling Equipment

1. Automatic Insertion Machine
2. Automatic Chip Mounter Machine

3. Assembly Production Line
4. Wave-Soldering and Reflow Welding Device
5. Surface Mount Printing Equipment
6. Others

V. Universal Electronic Equipment

1. Vacuum Obtaining Equipment
2. Ultrasonic Wave Equipment
3. Precision Welding Equipment
4. Drying Equipment
5. Air Conditioning Equipment
6. Plastic Processing Equipment
7. Electrical Machining Equipment
8. Pressure Process Equipment
9. Precision Electronic Silk Screen Printing Equipment
10. Anti-Static Series Products
11. Cleaning Equipment
12. Others

Die Mold and Gear Used In Electronic Industry

I. Die Mold and Gear Used In Electronic Industry

1. Die Mold
2. Die Carrier
3. Standard Component for Mold
4. Pneumatic Tool
5. Electric Tool
6. Soldering Tool

Electronic Component Product

Electronic Components & Assemblies

I. Capacitor

1. Paper Capacitor
 - i. Metallizing and Metal Foil Paper Capacitor
 - ii. Paper Based Composite Dielectric Capacitor
2. Film Capacitor
 - i. Polyester Film Capacitor
 - ii. Polypropylene Film Capacitor
 - iii. Polystyrene Capacitor
 - iv. Polycarbonate Capacitor
 - v. Polytetrafluoroethylene Capacitor
 - vi. Polyimide Capacitor
 - vii. Chip Organic Dielectric Capacitor (SMC)
 - viii. Other Organic Dielectric Film Capacitors
3. Ceramic Capacitor
 - i. Low Voltage Ceramic Capacitor (Lower Than 500V)
 - ii. High Voltage Ceramic Capacitor (Higher Than 500V)
 - iii. AC Ceramic Capacitor
 - iv. Ceramic Chip Capacitor
4. Double Electric Layer Capacitor
5. Foil Mica Capacitor
6. Glass Glaze Capacitor
7. Aluminum Electrolytic Capacitor
Of which: Aluminum Electrolytic Chip Capacitor
8. Tantalum Electrolytic Capacitor
Of which: Tantalum Electrolytic Chip Capacitor

9. Columbium Electrolytic Capacitor
10. Other Electrolytic Capacitors
11. Variable Capacitor
 - i. Air Variable Capacitor
 - ii. Film Variable Capacitor
 - iii. Glass Glaze Trimmer Capacitor
 - iv. Magnetism Trimmer Variable Capacitor
12. Vacuum Capacitor
 - i. Fixed Glass, Ceramic Vacuum Capacitor
 - ii. Variable Vacuum Capacitor
 - iii. Fine Adjustment Vacuum Capacitor
 - iv. Other Vacuum Capacitors
13. Other Capacitors
14. Capacitor Network

II. Resistors and Potentiometers

1. Fixed Resistor
 - i. Carbon Film Resistor
 - ii. Metal Film Resistor
 - iii. Metal Oxide Film Resistor
 - iv. Glass Glaze Resistor
 - v. Wire Wound Resistor
 - vi. Compound Film Resistor
 - vii. Solid Resistor
 - viii. Glaze Resistor
 - ix. Chip Resistor
 - x. Fusible Resistor
 - xi. Microstrip Resistor
 - xii. Other Resistors
2. Potentiometer
 - i. Wire Wound Potentiometer
 - ii. Carbon Film Potentiometer
 - iii. Solid Core Potentiometer
 - iv. Glass Glaze Potentiometer
 - v. Metal Film Potentiometer
 - vi. Conductive Plastic Potentiometer
 - vii. Chip Potentiometer
 - viii. Preset Potentiometer
 - ix. Sensitive Potentiometer
 - x. High Voltage Focus Potentiometer
3. Resistance Attenuator
4. Other Resistors, Potentiometers
5. Resistive Network

III. Electrical Connection Component

1. Low Frequency Connector
 - i. Circular Connector
 - ii. Rectangle Connector
 - iii. Printed Circuit Connector
 - iv. Bar Connector
 - v. Ribbon Cable Connector
 - vi. Plug Jack
 - vii. Low Frequency Chip Connector
 - viii. Other Low Frequency Connectors
 - ix. Low Frequency Connector Cable Set
2. Radio Frequency Connector
 - i. Universal Radio Frequency Connector

- ii. High Power Pulse and High Pressure Radio Frequency Connector
- iii. Radio Frequency Chip Connector
- iv. Other Radio Frequency Connectors
- v. Radio Frequency Connector Cable Components
- 3. Optical Cable Connector
- 4. Other Connectors
- 5. Switch
 - i. Rotary Switch
 - ii. Push Button Switch
 - iii. Assembled Push-Button Switch
 - iv. Keyboard Switch
 - v. Tiny Switch
 - vi. Button Switch
 - vii. Dual In-Line Package Switch
 - viii. Sliding Switch
 - ix. Membrane Switch
 - x. Leaf Switch
 - xi. Light Passive Components
 - xii. Other Switches
- 6. Socket (Plug-in Type)
 - i. Socket for Integrated Circuit
 - ii. Socket for Semiconductor Discrete Device
 - iii. Socket for Kinescope
 - iv. Socket for Resistance Tube (Includes Metal and Ceramic Tubes)
 - v. Socket for Relay
 - vi. Socket for Resonator
 - vii. Battery Holder
 - viii. Socket for Other Electronic Components

IV. Control Components

- 1 Relay
 - i. DC Electromagnetic Relay
 - ii. Magnetic Latching Relay
 - iii. Polarized Relay
 - iv. AC Electromagnetic Relay
 - v. Temperature Relay
 - vi. Coaxial Relay
 - vii. High Frequency Relay
 - viii. Vacuum Relay
 - ix. Solid State Relay
 - x. Dry Reed Relay
 - xi. Mercury Reed Relay
 - xii. Time Delay Relay
 - xiii. Contact Relay
 - xiv. Automobile Relay
 - xv. Chip Relay
 - xvi. Other Relays
- 2 Chopper
- 3 Sensor

V. Magnetic Material Inductance Transformer

- 1 Metal Soft Magnetic Component
 - i. AlSiFe Magnetic Core
 - ii. Fe-C Magnetic Core
 - iii. FeNiMo Magnetic Core
- 2 Ferrite Soft Magnetic Component
 - i. Screw-Shaped Ferrite Core

- ii. Box-Shaped Ferrite Core
- iii. E-Shaped Magnetic Core (EC, EI, ELD-Type)
- iv. U-Shaped Ferrite Core
- v. Cup-Shaped Ferrite Core
- vi. Tube-Shaped Ferrite Core
- vii. Column-Shaped Ferrite Core
- viii. Pot Ferrite Core (Includes Diamond-Shaped, X-Shaped, Square-Shaped)
- ix. Toroid Ferrite Core
- x. Intermediate Frequency Transformer Ferrite Core
- xi. DY Ferrite Core
- xii. Double-hole & Multi-hole Ferrite Core
- xiii. Antenna Ferrite Core
- xiv. Other Ferrite Cores
- 3 Ferrite Permanent Magnetic Component
 - i. Barium Ferrite Permanent Magnetic Component
 - ii. Strontium Ferrite Permanent Magnetic Component
 - iii. Tile-Shaped Magnet for Motor
 - iv. Bonded Ferrite Component
- 4 Permanent-Magnetic Alloy
 - i. Aluminum Nickel Cobalt Steel Magnet
 - ii. Aluminum Nickel Steel Magnet
 - iii. Samarium Cobalt Steel Magnet (Includes Samarium Praseodymium Cobalt Steel Magnet)
 - iv. Neodymium, Iron and Boron Permanent Magnet
 - v. Bonded Thulium Permanent Magnet
 - vi. Other Alloy Permanent Magnets
- 5 Inductor
 - i. Variable Inductor
 - ii. Fixed and Color Code Inductor
 - iii. Series Multilayer Chip Inductor
 - iv. Wire Wound Chip Inductor
 - v. LC Filter
- 6 Microwave Device
 - i. Microwave Ferrite Single Crystal Oscillator
 - ii. Microwave Ferrite Circulator
 - iii. Microwave Ferrite Isolator
 - iv. Microwave Ferrite Amplitude Limiter
 - v. Microwave Ferrite Filter
 - vi. Microwave Ferrite Switch
 - vii. Other Microwave Magnetism Devices
- 7 Electronic Transformer
 - i. Medium Frequency Transformer
 - ii. Audio Transformer
 - iii. Pulse Transformer
 - iv. Power Transformer
 - v. Switching Mode Power Supply Transformer
 - vi. Chip Type Transformer
 - vii. Other Electronic Transformers
- 8 Coil
 - i. Degaussing Coil
 - ii. Other Coils

VI. Electroacoustic Device

- 1 Communication Electroacoustic Device
 - i. Telephone Transmitter
 - ii. Telephone Receiver

- iii. Assembly Parts
- 2 Microphone
 - i. Capacitor Microphone
 - ii. Moving Coil Microphone
 - iii. Electrets Microphone
 - iv. Wireless Microphone
 - v. Other Microphones
- 3 Speaker
 - i. Horn Speaker
 - ii. Direct Radiation Speaker
 - iii. Dome Speaker
 - iv. Automobile Speaker
 - v. Other Speakers
- 4 Speaker, Sound Box and Column
 - i. Column Speaker
 - ii. Theater Speaker
 - iii. Household Speaker
 - iv. High Fidelity Speaker
 - v. Monitoring Speaker
 - vi. Computer Speaker
 - vii. Other Speakers
- 5 Earphone
 - i. Broad Band High Fidelity Stereophonic Headphone
 - ii. Stereophonic Headphone
 - iii. Monophonic Headphone
 - iv. Mini-size Stereophonic Headphone
 - v. Earplug
 - vi. Infrared Earphone
- 6 Pickup
- 7 Buzzer
- 8 Buzzer Sheet

VII. Components for Frequency Control and Selection

- 1 Piezoelectric Ceramic and Frequency Components
 - i. Piezoelectric Ceramic Filter
 - ii. Piezoelectric Ceramic Resonator
 - iii. Piezoelectric Ceramic Discriminator
 - iv. Chip Type Piezoelectric Ceramic Device
 - v. Tuning fork
 - vi. Sound Surface Wave Filter
 - vii. Sound Surface Wave Oscillator
 - viii. Chip Type Surface Wave Device
 - ix. Microwave Medium Device
 - x. Various Types of Delay Lines
- 2 Piezoelectric Quartz Crystal Device
 - i. Piezoelectric Quartz Crystal Resonator
 - ii. Piezoelectric Quartz Crystal Filter
 - iii. Piezoelectric Quartz Crystal Oscillator
 - iv. Chip Type Piezoelectric Quartz Crystal Device

VIII. Other Components and Parts

- 1 Electronic Ceramic Part
 - i. Carbon Film Resistance Ceramic Part
 - ii. Metal Film Resistance Ceramic Part
 - iii. Capacitor Ceramic Part
 - iv. Alumina Ceramic Part
 - v. Beryllium Oxide Ceramic Part

- vi. Ceramic and Glass Insulator
- vii. Other Ceramic Parts
- viii. Ceramic Substrate for Chip Resistor
- ix. Ceramic Substrate for Thick Film Integrate Circuit
- x. Ceramic Substrate for Potentiometer
- xi. Others
- 2 Panel Part
- 3 Absorber
- 4 Selenium Pile and Selenium Slice
- 5 Fastener
- 6 Quartz Crystal Device and Relay Enclosure or Tube Socket
- 7 Electroacoustic Components and Parts

Electronic Printed Circuit Board

I. Electronic Printed Circuit Board

1. Single Sided Printed Circuit Board
2. Double Sided Printed Circuit Board
3. Multilayer Printed Circuit Board
4. Flexible Printed Circuit Board
5. Rigid and Flexible Printed Circuit Board
6. Carbon Film Printed Circuit Board

Sensing Element and Sensor

I. Sensing Element

1. Force Sensor
2. Voltage Dependent Resistor
3. Optical Sensor
4. Temperature Sensor
5. Magnetism Sensor
6. Humidity-Dependent Sensor
7. Gas Sensor

Electronic Plastic Part (I3070)

Electronic Plastic Part

Electronic Device Industry

Vacuum Electronic Device

I. Electron Tube

- 1 Receiving Amplifier Tube
 - i. Direct-heated Miniature Tube
 - ii. Indirect-heated Heater Bantam Tube
 - iii. Frame Bantam Tube
 - iv. Subminiature Tube
 - v. Octal Tube
 - vi. Peanut Tube
- 2 Loctal Tube
- 3 Transmitting Tube
 - i. Medium and Small Power Glass Transmitting Tube
 - ii. Medium and Small Power Ceramic Transmitting Tube
 - iii. High Power Glass Transmitting Tube
 - iv. High Power Ceramic Transmitting Tube
 - v. Modulation Valve
- 4 Ultra High Frequency Tube
 - i. Magnetron

- ii. Microwave Gas Discharge Tube
 - iii. Klystron
 - iv. Backward Wave Tube
 - v. Traveling Wave Tube
 - vi. Noise Tube
 - vii. Lighthouse Tube
 - viii. Small Ceramic Tube
 - ix. Pencil Tube
 - x. Antenna Switch Tube
 - xi. Solid-state Discharge Tube
- 5 Regulator Tube
- i. Voltage Regulator Tube
 - ii. Current Regulator Tube
 - iii. Amplitude Regulator Tube

II. Electron Beam Tube

- 1 Monochrome Kinescope
- i. Less Than 31cm
 - ii. 31 cm
 - iii. 35 cm
 - iv. 44 cm
 - v. More Than 44 cm
- 2 Color Kinescope
- i. 37 cm
 - ii. 47 cm
 - iii. 49 cm
 - iv. 51 cm
 - v. 54 cm
 - vi. 56 cm
 - vii. 64 cm
 - viii. 74 cm
 - ix. Others
- 3 Other Electron Beam Tubes
- i. Projection Tube
 - ii. Monitoring Tube (Display Tube)
 - iii. Oscilloscope Tube
 - iv. Storage Tube
 - v. Pulse Forming Tube
 - vi. Flying Spot Tube
- 4 Ionic Tube
- i. Thyatron
 - ii. Rectifying Valve
 - iii. Discharge Tube
 - iv. Decade Counter Tube
 - v. Cold Cathode Trigger Tube
 - vi. Ultraviolet Light Sensing Tube
- 5 Laser Counter Tube
- 6 X-Ray Tube
- i. X-Ray Tube for Medical Use
 - ii. X-Ray Tube for Industrial Use
 - iii. Rotary Anode X Ray Tube
- 7 Vacuum Switching Tube
- i. High and Medium Pressure Vacuum Switching Tube (3-36 KV)
 - ii. Low Pressure Vacuum Switching Tube (Less Than 3 KV)
- 8 Other Electronic Vacuum Devices
- 9 Kinescope Accessories

- i. Parts for Monochromic Kinescope Electron Gun
- ii. Parts for Color Kinescope Electron Gun
- iii. Glass Bulb for Monochromic Kinescope
 - a. Less Than 31 cm
 - b. 31 cm
 - c. 35 cm
 - d. 44 cm
 - e. Others
- iv. Glass Bulb for Color Kinescope
 - a. 37 cm
 - b. 47 cm
 - c. 49 cm
 - d. 51 cm
 - e. 54 cm
 - f. 56 cm
 - g. 64 cm
 - h. 74 cm
 - i. Others
- v. Shadow Mask for Color Kinescope
 - a. 37 cm
 - b. 47 cm
 - c. 49 cm
 - d. 51 cm
 - e. 54 cm
 - f. 56 cm
 - g. 64 cm
 - h. 74 cm
 - i. Others

III. Electric Light Source

1. High Pressure Sodium Vapor Lamp
2. Halogen Lamp
3. Automobile Lamp
4. Fluorescent Lamp
5. Energy Saving Lamp
6. Others

Photoelectron Devices and Other Electronic Devices

I. Display Module

1. PDP
2. LCD

II. Electron Beam Photoelectric Device

1. Photoelectric Cell
2. Photomultiplier
3. X-Ray Image Intensifier Tube
4. Electron Multiplier Tube
5. Pickup Tube
6. Photoelectric Image Device

III. Electric Vacuum Photoelectron Device

1. Display Device
2. Light Emitting Device
3. Photo-sensing Device
4. Photoelectric Coupling Device
5. Infrared Device
6. Laser Device

IV. Semiconductor Photoelectric Device

- 1 Photoelectric Coupling Device
 - i. Charge-Coupled Device (CCD)
 - ii. Other Photoelectric Coupling Devices
- 2 Photoelectric Detecting Device
 - i. Photodiode
 - ii. Photoelectron Triode
 - iii. Other Photoelectric Detecting Devices
- 3 Light Emitting Diode (LED)
 - i. Infrared Light Emitting Diode
 - ii. Red Light Emitting Diode
 - iii. Yellow Light Emitting Diode
 - iv. Orange Light Emitting Diode
 - v. Green Light Emitting Diode
 - vi. Blue Light Emitting Diode
 - vii. Digitron Components
 - viii. Other Light Emitting Diodes
- 4 Laser Device
 - i. Semiconductor Laser Device
 - ii. Solid State Laser Device
 - iii. Other Laser Devices

V. Optical Communications Device

1. Optical Communications Active Device
2. Other Optical Communications Devices

VI. Other Semiconductor Photoelectric Devices**Semiconductor Discrete Device****I. Semiconductor Diode**

- 1 Germanium Diode
- 2 Silicon Diode
 - i. Silicon Rectifier Diode
 - ii. Silicon Switching Diode
 - iii. Silicon Voltage-Regulating Diode
 - iv. High Voltage Silicon Stack
 - v. Bridge Rectifier
 - vi. Variable Capacitance Diode
 - vii. Silica Voltage Step-up Damper Diode
 - viii. Mixer/Detector Diode
 - ix. Schottky Diode
 - x. Avalanche Diode
 - xi. Microwave Diode
 - xii. Solid Discharge Diode
 - xiii. Other Silica Diodes
- 3 Compound Diode
 - i. Gallium Arsenide Variable Capacitance Diode
 - ii. Gallium Arsenide Switch Tube
 - iii. Gallium Arsenide Bulk Effect Diode
 - iv. Gallium Arsenide Tunnel Diode
 - v. Gallium Arsenide Mixer Diode
 - vi. Phosphor Gallium Arsenide Microwave Tube
 - vii. Diode Stack
 - viii. Other Compound Diodes
- 4 Other Diodes

II. Semiconductor Triodes

- 1 Germanium Triode

- i. Germanium High Frequency Low Power Tube
- ii. Other Germanium Triodes
- 2 Silicon Triodes
 - i. Silicon High Frequency Low Power Triode
 - ii. Silicon Switching Triodes
 - iii. Silicon Low Frequency High Power Triodes
 - iv. Silicon High Frequency High Power Triodes
 - v. Silicon High Counter Voltage Power Tube
 - vi. Darlington Tube
 - vii. Field Effect Tube
 - viii. Silicon Microwave Power Tube
 - ix. Silicon Microwave Low Noise Tube
 - x. Thyristor Unit
 - xi. Other Silicon Triodes
- 3 Compound Triodes
 - i. Gallium Arsenide Microwave Field Effect Tube
 - ii. Other Compound Triodes

III. Special Type Devices and Sensors

- 1 Sensitive Devices and Sensors
 - i. Pressure Sensitive Device and Sensor
 - ii. Magnet Sensitive Device (Includes Hall Device and Hall Circuit)
 - iii. Gas Sensitive Device and Sensor
 - iv. Humidity Sensitive Device and Sensor
 - v. Ion Sensitive Device
 - vi. Sound Sensitive Device
 - vii. Ray Sensitive Device
 - viii. Biosensor Device
 - ix. Electrostatic Sensor Device
 - x. Other Sensitive Devices
- 2 Other Devices
 - i. Semiconductor Refrigeration Device
 - ii. Other Devices

IV. Power Semiconductor Device (More Than 5A)

1. Rectifier Diode
2. Ordinary Thyristor
3. Bidirectional Thyristor
4. High Speed Thyristor
5. High Frequency Thyristor
6. Giant Transistor (GTR)
7. Gate Turn-Off Thyristor (GTO)
8. Thyristor Module
9. Insulated Gate Bipolar Transistor, (IGBT)
10. Power MOS Field Effect Tube
11. Solid State Relay Module
12. Static Induction Transistor Device (SIT)
13. Other Power Semiconductor Devices

Integrated Circuit

I. Integrated Circuit

Of Which: Large Scale Integrated Circuit

- 1 Bipolar Digital Circuit
 - i. TTL Circuit
 - a. SLTTL Circuit
 - b. Other TTL Circuits
 - ii. ECL Circuit

- iii. Gate Array Circuit
- iv. Other Bipolar Digital Circuits
- 2 MOS Digital Circuit
 - Of which: Large Scale MOS Digital Circuit
 - i. CMOS Circuit
 - ii. NMOS Circuit
 - iii. BICMOS Circuit
 - iv. Gate Array Circuit
- 3 Interface Circuit
 - Of Which: Large Scale Interface Circuit
 - i. Switching Circuit (A/D, D/A, V/F, F/V etc.)
 - ii. Drive Circuit
- 4 Artificial Circuit
 - i. Operational Amplifier
 - ii. Voltage Comparator
 - iii. Time Base Circuits
 - iv. Phase Locking Loop Circuit
 - v. Pulse Width Modulator
 - vi. Other Artificial Circuits
- 5 Power Supply Circuit
 - i. Common Voltage Stabilizing Circuit
 - ii. Switching Power Supply Control Circuit
 - iii. DC-DC Converter
 - iv. Other Power Supply Circuits
- 6 Special Circuit
 - Of Which: Large Scale Special Circuit
 - i. Television Circuit
 - a. Monochrome Television Circuit
 - b. Color Television Circuit
 - ii. Acoustics Circuit
 - iii. Electronic Clock Circuit
 - iv. Electronic Toy Circuit
 - v. Circuit for Motor Speed Controller
 - vi. Transmitting and Receiving Circuits for Remote Control
 - vii. Special Circuit for Household Electrical Appliance
 - viii. Drive Circuit for Display
 - ix. Calculator Circuit
 - x. Communication Circuit
 - a. Mobile Communication Cellular Telephone Circuit
 - b. Mobile Communication BP Circuit
 - c. Fixed Communication Exchanger Circuit
 - d. Mobile Communication Base Station and Exchanger Circuit
 - e. Optical Communication Circuit
 - f. Telephone Set Circuit
 - g. Other Communication Circuits
 - xi. Special Circuit for Automobile
 - xii. Digital Audio and Video Circuit
 - a. Circuit for Image Compression/Decompression
 - b. CMOS Camera Chip
 - c. Image Processing Circuit
 - d. Other Digital Audio and Video Circuits
 - xiii. Special Circuit for Smart Card
 - xiv. Others
- 7 Memory Circuit
- 8 Computer Circuit

- i. Ordinary Central Processing Unit (CPU)
- ii. Embedded Central Processing Unit
- iii. Micro Control Unit (MCU)
- iv. Chip Set and Interface Circuit
- v. Peripheral Circuit
- vi. Other Computer Circuits
- 9 Digital Signal Processor (DSP)
- 10 Microwave Integrated Circuit
 - i. Microwave Monolithic Integrated Circuit
 - ii. Microwave and Millimeter Wave Hybrid Integrated Circuit
 - iii. Other Microwave Integrated Circuits
- 11 Hybrid Integrated Circuit
 - i. Thin Film Hybrid Integrated Circuit
 - ii. Thick Film Hybrid Integrated Circuit
- 12 Sensor Circuit
 - i. Pressure Sensor Circuit
 - ii. Other Sensor Circuits
- 13 Integrated Circuit Chip
 - i. Integrated Circuit Chip
 - ii. Other Integrated Circuit Chips

Micro and Special Purposed Motor

1. Special Micro Motor
 - i. Motor for Fax-machine and Telex-machine
 - ii. Motor for Audio Player (CD Player, Phonograph)
 - iii. Motor for Computer Peripheral
 - iv. Motor for Copier
 - v. Motor for Video and Laser Disk Player
 - vi. Micro Vibrating Motor for Mobile Telephone and Beep Pager
 - vii. Motor for Sound Recorder
2. Power Generator
 - i. Hand-driven Power Generator Set
 - ii. Power Generator with Adjustable Frequency and Current
 - iii. Power Generator Set
3. Other Motors
 - i. Washing Machine Motor
 - ii. Fan Motor
 - iii. Compressor Motor

Electronic Wire and Cable

I. Installing Wire and Cable

1. Installing Wire
2. Installing Cable
3. Ribbon Cable
4. Spring Cord for Telephone and Computer
5. Power Cord with Plug

II. Radio Frequency Cable

1. CATV Coaxial Cable
2. Corrugated Outer Conductor Radio Frequency Cable
3. RF Coaxial Cable
4. Common Radio Frequency Cable

III. Composite Cable

IV. Cable for Communication and Electronic Network

1. Communication Cable for Military
2. Telephone Communication Cable

3. Monitoring and Communication Cable for Mining and Tunnels
4. Cable for Computer Network

V. Other Wires and Cables

VI. Electronic Wire Material

1. Electronic Device Lead
2. Bare Copper Wire
3. Copper-Clad Steel Wire
4. Minuteness Enameled Wire (Less Than 0.6 mm)
5. General Enameled Wire (More Than 0.6 mm)
6. Cotton Covered Wire & Lapped Wire
7. Other Electronic Wire Materials

Optical Fiber, Fiber-Optic Cable

I. Optical Fiber

1. Single Mode Fiber
2. Multimode Fiber
3. Plastic Fiber

II. Fiber-Optic Cable

1. Special Type Fiber-Optic Cable
2. Common Fiber-Optic Cable
3. Ribbon Fiber-Optic Cable
4. Special Type Fiber-Optic Cable
5. Other Fiber-Optic Cables

Battery

I. Alkaline Storage Battery

1. Cadmium-Nickel Button Cell Storage Battery
2. Nickel-Hydrogen Storage Battery

II. Lithium Storage Battery

1. Liquid Lithium-Ion Storage Battery
2. Lithium-Ion Polymer Storage Battery
3. Other Lithium Storage Batteries

III. Reserve Battery

1. Silver Activating Battery
2. Thermal Cell
3. Lead Activating Battery
4. Magnesium Reserve Battery
5. Other Reserve Batteries

IV. Physical Power Source

1. Silicon Solar Battery
2. Gallium Arsenide Solar Battery
3. Other Solar Batteries
4. Thermoelectric Generator

V. Physical and Chemical Power Source System

VI. Storage Battery Charger

VII. Battery Specified Accessories

1. Nickel Foam & Nickel Fiber Strip
2. Cathode and Anode Strip for Nickel Hydrogen Battery
3. Special Accessories for Lithium Storage Battery
4. Other Battery Accessories

Electronic Application Products

Household Electrical and Electronic Products

- I. Electronic Keyboard
- II. Electronic Game Player
- III. Microwave Oven
- IV. Induction Cooker
- V. Others

Medical Electronic Device and Apparatus

I. Electronic Instrument and Equipment for Medical Use

- 1. Instrument and Equipment for Heart, Brain, Muscle & Eye
- 2. Oscillograph and Recording Instrument for Electrocardiograph and Physiology
- 3. Monitoring Apparatus
- 4. Cardiac Telemetry System
- 5. Emergency Therapy Apparatus
- 6. Blood Measuring Apparatus
- 7. Gasometric Analysis Instrument
- 8. Electronic Thermometer and Pressure Measurement Device

II. Medical Ultrasonic Apparatus

- 1. Dasonograph Apparatus
- 2. Ultrasonic Therapeutic Apparatus
- 3. Ultrasonic Transducer

III. Medical Laser Instrument and Apparatus

- 1. Laser Diagnostic Instrument
- 2. Laser Therapeutic Instrument
- 3. Laser Inspecting Instrument

IV. Biochemical Analyzer for Medical Use

- 1. Separation and Preparation Instrument
- 2. Biochemical Analytical Instrument

V. High Frequency, Microwave Ray and Nuclide Instrument for Medical Use

- 1. High Frequency Instrument for Medical Use
- 2. Microwave Diagnostic and Therapeutic Instrument for Medical Use
- 3. Radiation Diagnostic, Therapeutic Instrument for Medical Use
- 4. Nuclide Diagnostic, Therapeutic Instrument for Medical Use

VI. Instrument for Chinese Medicine

- 1. Diagnostic Instrument
- 2. All Kinds of Instrument for Electrotherapeutics, Magnetic Therapy, Phototherapy and Acupuncture

VII. Other Medical Electronics Instruments

- 1. Optical Instrument for Medical Use
- 2. Extracorporeal Circulation Instrument
- 3. Others

Materials Specified for Electronic Products

Electronic Components and Materials

I. Electronic Components and Materials

- 1 Insulating Cardboard
- 2 Paper Copper Clad Laminates
- 3 Glass Fabric Copper Clad Laminates
- 4 Electronic Optical Glass
- 5 Steel Wire for Special Use

- 6 Electrolytic Manganese Dioxide Powder
- 7 Aluminum Foil Material for Capacitor
 - i. Aluminum Foil
 - ii. Polyester Film
 - iii. Polypropylene Film
- 8 Piezoelectric Material
 - i. Lithium Niobate Single Crystal
 - ii. Lithium Tantalate Single Crystal
 - iii. Synthetic Quartz
- 9 Optical Fiber Prefabricated Stick

Vacuum Electronic Device and Material

I. Vacuum Electronic Device and Material

- 1 Tungsten Products
 - i. Tungsten Wire
 - ii. Tungsten Rod
 - iii. Heating Element of Twisted Tungsten Wires
 - iv. Tungsten Sheet
- 2 Molybdenum Products
 - i. Molybdenum Wire
 - ii. Molybdenum Stick
 - iii. Molybdenum Sheet
- 3 Nickel-Based Alloy
 - i. Nickel Wire
 - ii. Nickel Strip
 - iii. Nickel Tube
- 4 Compound Metal Electronic Material
 - i. Dumet
 - ii. Nickel-Coated Metal Strip
- 5 Contact Material
Of which: Copper Tungsten Alloy
- 6 Glass for Electronic Vacuum Device
- 7 Liquid Crystal Material
- 8 Alloy Material
 - i. Silver Copper Solder
 - ii. Lead Tin Alloy
 - iii. Gold Antimony Alloy
 - iv. Other Alloy Materials
- 9 Other Electronic Vacuum Materials

Semiconductor Material

I. Semiconductor Material

- 1 Semiconductor Single Crystal
 - i. Germanium Single Crystal
 - ii. Silicon Single Crystal
 - iii. Compound Single Crystal
- 2 Semiconductor Sheet Material
 - i. Semiconductor Polished Slice
 - ii. Semiconductor Epitaxial Wafer
 - iii. Other Semiconductor Materials
- 3 Semiconductor Encapsulation Material
 - i. Gold Bonding Wires
 - ii. Aluminum-Silicon Bonding Wires
 - iii. Metal Package for Encapsulation
 - iv. Ceramic Shell for Encapsulation

- v. Plastic Package Lead Frame and Metal Strip for Discrete Devices
- vi. Plastic Package Lead Frame and Metal Strip for Integrate Circuit
- vii. Plastic Powder and Auxiliary Material for Encapsulation
- viii. Other Semiconductor Encapsulation Material
- 4 Photolithographic Mask Plate
- 5 Quartz Product

Chemical Material Incorporating Information Technology

I. Chemical Material Incorporating Information Technology

- 1 Fluorescence Powder
 - i. Colored Fluorescent Powder
 - ii. Monochrome Fluorescent Powder
- 2 Carbonate
- 3 Getter
 - i. Evaporable Type Getter
 - ii. Non-evaporable Type Getter
 - iii. Hydrargyrum and Titanium mixture
- 4 Photoresist

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