This Class 360 is considered to be an
integral part of Class 369 (see the Class
369 schedule for the position of this
Class in schedule hierarchy). This Class
retains all pertinent definitions and
class lines of Class 369.

1	RECORDING ON OR REPRODUCING FROM AN ELEMENT OF DIVERSE UTILITY
2	.Card
3	.Motion picture film
4	MANUAL INPUT RECORDING
4 5	RECORDING FOR SELECTIVE RETENTION
5	OF A SPECIAL OCCURRENCE
6	RECORDING COMBINED WITH METERING
0	OR SENSING
7	RECORDING FOR MONETARY DELAY OF
/	AN ANALOG SIGNAL
8	RECORDING FOR CHANGING DURATION,
0	FREQUENCY OR REDUNDANT CONTENT
	OF AN ANALOG SIGNAL
12	RECORDING OR REPRODUCING FOR
	AUTOMATIC ANNOUNCING
13	RECORD EDITING
15	RECORD COPYING
16	.Contact transfer
17	With magnetic bias
18	RECORDING OR REPRODUCING PLURAL
	INFORMATION SIGNALS ON THE
	SAME TRACK
20	.Frequency multiplex
21	.Head gap azimuth multiplex
22	SPLITTING ONE INFORMATION SIGNAL
	FOR RECORDING ON PLURAL
	DISTINCT TRACKS OR REPRODUCING
	SUCH SIGNAL
23	.Time division
24	SPLITTING, PROCESSING AND
	RECOMBINING ONE INFORMATION
	SIGNAL FOR RECORDING OR
	REPRODUCING ON THE SAME TRACK
25	CHECKING RECORD CHARACTERISTICS
	OR MODIFYING RECORDING SIGNAL
	FOR CHARACTERISTIC
	COMPENSATION
26	ELECTRONICALLY CORRECTING PHASING
	ERRORS BETWEEN RELATED
	INFORMATION SIGNALS

27	RECORDING OR REPRODUCING AN INFORMATION SIGNAL AND A
	CONTROL SIGNAL FOR CONTROLLING
	ELECTRONICS OF REPRODUCER
28	.Reference carrier to control
	demodulator
29	MODULATING OR DEMODULATING
30	.Frequency
31	MONITORING OR TESTING THE
	PROGRESS OF RECORDING
32	CONVERTING AN ANALOG SIGNAL TO
	DIGITAL FORM FOR RECORDING;
	REPRODUCING AND RECONVERTING
39	GENERAL PROCESSING OF A DIGITAL
	SIGNAL
40	.In specific code or form
41	Nonreturn to zero
42	Phase code
43	Multi-frequency
44	Intra-cell transition
45	.Pulse crowding correction
46	.Head amplifier circuit
47	.Redundant or complimentary
	tracks
48	.Data in specific format
49	.Address coding
50	.Inter-record gap processing
51	.Data clocking
52	With incremental movement
	between record and head
53	.Data verification
54	.Data recirculation
55	GENERAL RECORDING OR REPRODUCING
57	.Selective erase recording
58	.Boundary displacement recording
	or transducers
59	.Thermomagnetic recording or
	transducers
60	.Recording-or erasing-prevention
61	.Signal switching
62	Record-reproduce
63	Between plural stationary heads
64	Between heads in alternate
	engagement with medium
65	.Specifics of equalizing
66	.Specifics of biasing or erasing
67	.Specifics of the amplifier
68	Recording amplifier
69	AUTOMATIC CONTROL OF A RECORDER
	MECHANISM
70	.Synchronizing moving-head
	moving-record recorders
71	.Controlling the record

360 - 2 CLASS 360 DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL

72.1	Locating specific areas	77.15	Plural pilot signals along
72.2	Responsive to recorded address		single transverse path
72.3	Responsive to tape transport	77.16	Having head deflection drive
73.01	Speed		(e.g., piezoelectric bimorph)
73.02	Control of relative speed	77.17	Dithering
	between carriers	78.01	Track changing
73.03	Rotary carrier	78.02	Tape
73.04	Linear carrier	78.03	Plural tapes
73.05	Plural speed transport	78.04	For rotary carrier (e.g.,
73.06	Automatic change between		disc)
	fixed speeds	78.05	Coarse and fine head drive
73.07	Automatic selection of		motors
	carrier or track speed	78.06	Specified velocity pattern
73.08	Variable speed		during access
73.09	Constant speed	78.07	Controlled by memory device
73.11	By reproduced control signal	78.08	Specified spatial pattern
, , , , , , , ,	and transport derived signal		during access
73.12	By reproduced control signal	78.09	Including model of servo
73.13	From separate track	10105	system or element
73.14	By signal derived from	78.11	Including nonmagnetic
/3.14	transport	/0.11	position sensing
74.1	Stopping or reversing	78.12	Including particular head
74.2	Responsive to reel rotation	/0.12	actuator
74.2	-	78.13	Stepping motor
74.3	Responsive to tape tension	78.14	By recorded servo reference
/4.4	Responsive to magnetic	70.14	or address signal
	recorded signals	78.15	Drum
74.5	Responsive to physical	78.13 79	RECORDER CONTROL OF AN EXTERNAL
	property of record	19	DEVICE
74.6	Photoelectric	80	-
74.7	Conductive	80 81	.Slide or movie projectors RECORD TRANSPORT WITH HEAD MOVING
75 76	.Controlling the head	$O \perp$	
/h			
	Azimuth or skew	-	DURING TRANSDUCING
77.01	Track centering	82	DURING TRANSDUCING .Belt record
77.01 77.02	Track centering Rotary carrier	82 83	DURING TRANSDUCING .Belt record .Tape record
77.01	Track centering Rotary carrier By nonmagnetic sensing (e.g.,	82 83 84	DURING TRANSDUCING .Belt record .Tape record Rotating head
77.01 77.02 77.03	<pre>Track centeringRotary carrierBy nonmagnetic sensing (e.g., optical, capacitive)</pre>	82 83 84 85	DURING TRANSDUCING .Belt record .Tape record Rotating head Tape in container
77.01 77.02	<pre>Track centeringRotary carrierBy nonmagnetic sensing (e.g.,</pre>	82 83 84 85 86	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record
77.01 77.02 77.03 77.04	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction 	82 83 84 85 86 87	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record
77.01 77.02 77.03	<pre>Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component</pre>	82 83 84 85 86	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD
77.01 77.02 77.03 77.04	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate 	82 83 84 85 86 87 88	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING
77.01 77.02 77.03 77.04	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal 	82 83 84 85 86 87 88 88	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record
77.01 77.02 77.03 77.04 77.05	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface 	82 83 84 85 86 87 88 89 90	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record
77.01 77.02 77.03 77.04	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used 	82 83 84 85 86 87 88 89 90 91	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes
77.01 77.02 77.03 77.04 77.05 77.05	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking 	82 83 84 85 86 87 88 89 90 91 92.1	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container
77.01 77.02 77.03 77.04 77.05	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded 	82 83 84 85 86 87 88 89 90 91	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes
77.01 77.02 77.03 77.04 77.05 77.05	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath 	82 83 84 85 86 87 88 89 90 91 92.1	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container
77.01 77.02 77.03 77.04 77.05 77.06 77.06	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface 	82 83 84 85 86 87 88 89 90 91 92.1 93 94	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container
77.01 77.02 77.03 77.04 77.05 77.06 77.07 77.08	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface Distinct servo sector 	82 83 84 85 86 87 88 89 90 91 92.1 93	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container Transport accommodates
77.01 77.02 77.03 77.04 77.05 77.06 77.07 77.08 77.11	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface Distinct servo sector Continuous servo signal 	82 83 84 85 86 87 88 89 90 91 92.1 93 94 95 96.1	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container Transport accommodates different types
77.01 77.02 77.03 77.04 77.05 77.06 77.07 77.08	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface Distinct servo sector Continuous servo signal Elongated web carrier (i.e., 	82 83 84 85 86 87 88 89 90 91 92.1 93 94 95	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container .Tape in container Transport accommodates different types With tape extraction
77.01 77.02 77.03 77.04 77.05 77.06 77.06 77.07 77.08 77.11 77.12	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface Distinct servo sector Continuous servo signal 	82 83 84 85 86 87 88 89 90 91 92.1 93 94 95 96.1	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record .Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container .Transport accommodates different types With tape extraction Plural reels
77.01 77.02 77.03 77.04 77.05 77.06 77.06 77.07 77.08 77.11 77.12 77.13	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface Distinct servo sector Continuous servo signal Elongated web carrier (i.e., tape) Transverse scan path 	82 83 84 85 86 87 88 89 90 91 92.1 93 94 95 96.1 96.2	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container .Transport accommodates different types With tape extraction Plural reels With dual capstan drive
77.01 77.02 77.03 77.04 77.05 77.06 77.06 77.07 77.08 77.11 77.12	 Track centering Rotary carrier By nonmagnetic sensing (e.g., optical, capacitive) By memory storage of repeatable error or correction By servo signal component from carrier surface separate from information signal bearing surface Reproduced data signal used for tracking By tracking signal recorded on or immediately beneath surface Continuous servo signal Elongated web carrier (i.e., tape) 	82 83 84 85 86 87 88 89 90 91 92.1 93 94 95 96.1 96.2 96.3	DURING TRANSDUCING .Belt record .Tape record .Rotating head Tape in container .Disk record Drum record RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING .Wire record .Tape record .Plural tapes Tape in container .Tape in container .Transport accommodates different types With tape extraction Plural reels With dual capstan drive Reel drive details

96.61	With pivotal holder	235.5	Negative pressure type
97.01	.Disk record	235.6	Leading end detail
97.02	Environmental control (e.g.,	235.7	Trailing end detail
	air filter, temperature	235.8	Rail surface detail
	control)	235.9	Rail side edge detail
97.03	Plural disks	236	Cross rail detail
97.04	Flexible disk	236.1	Varying width rail
98.01	Plural disks	236.2	Asymmetrical rail
98.02	Axially fixed flexible disks		arrangement
98.03	With pneumatic partioning of	236.3	Three or more rails/pads
	disks	236.4	Leading end detail
98.04	Changer	236.5	Trailing end detail
98.05	Control detail	236.6	Rail surface detail
98.06	Mechanical detail	236.7	Rail side edge detail
98.07	Rotational drive detail	236.8	Varying width rail
98.08	Seating of disks	236.9	Asymmetrical rail arrangement
99.01	Flexible disk	237	Three or more rails/pads
99.02	Loading or ejecting mechanism	237.1	Partial contact
99.03	Motorized	240	HEAD MOUNTING
99.04	Rotational drive detail	250	.For moving head into/out of
99.05	Disk seating		transducing position
99.06	Loading or ejecting mechanism	251	Tape record having arcuate head
99.07	Motorized		retraction movement
99.08	Rotational drive detail	251.1	Tape record having linear head
99.09	Movable drive		retraction movement
99.11	Stationary drive	251.2	Driven by tape driver
99.12	Disk seating	251.3	Cam type
JJ.12	Disk seating	271.7	cam cype
100.1	.Drum record	251.4	Solenoid type
	-		
100.1	.Drum record	251.4	Solenoid type
100.1 101 220	.Drum record HEAD TRANSPORT WITH RECORD	251.4 251.5	Solenoid type Rotary head type
100.1 101 220 221	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING	251.4 251.5 254 254.1 254.2	Solenoid type Rotary head type Disk record
100.1 101 220 221 221.1	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT	251.4 251.5 254 254.1	Solenoid type Rotary head type Disk record Flexible disk
100.1 101 220 221	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record	251.4 251.5 254 254.1 254.2	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail</pre>
100.1 101 220 221 221.1 224 230	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record Liquid bearing	251.4 251.5 254 254.1 254.2 254.3	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter</pre>
100.1 101 220 221 221.1 224 230 231	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail</pre>
100.1 101 220 221 221.1 224 230 231 234	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail</pre>
100.1 101 220 221 221.1 224 230 231 234	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing .Flexible disk .Air bearing slider detail	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Fixed lifter Lifter surface detail Lifter surface detail Lifter surface detail Lifter surface detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Actuator side detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2 255.3	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Actuator side detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2 255.3 255.4	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Actuator side detail Actuator side detail Actuator side detail Actuator side detail Actuator side detail Moving lifter Lifter surface detail Lifter surface detail Adjustment detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2 255.3	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Actuator side detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider .Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2 255.3 255.4 255.5 255.6	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Lifter surface detail Lifter surface detail Lifter surface detail Lifter surface detail Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Actuator side detail Atuator side detail </pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6 234.7 234.8	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider On/in side of slider	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.6 254.7 254.8 255.1 255.1 255.2 255.4 255.4 255.5 255.6 255.7	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Linear track change type Moving lifter Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Actuator side detail Actuator side detail Actuator side detail </pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.7 234.8 234.9	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider On/in side of slider In slot of rail	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2 255.4 255.4 255.5 255.6 255.7 255.8	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Lifter surface detail Lifter surface detail Lifter surface detail Lifter surface detail Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Actuator side detail Atuator side detail </pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6 234.7 234.8	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider On/in side of slider In slot of rail Signal winding mount/access	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255 255.1 255.2 255.3 255.4 255.5 255.6 255.7 255.8 255.9	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Actuator side detail Actuator side detail Actuator side detail Lifter surface detail Lifter surface detail Adjustment detail Adjustment detail Actuator side detail Actuator side detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6 234.7 234.8 234.9 235	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider On/in side of slider In slot of rail Signal winding mount/access detail	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.6 254.7 254.8 255.2 255.1 255.2 255.3 255.4 255.5 255.6 255.7 255.8 255.9 256	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Atuator side detail Atuator side detail Adjustment detail Adjustment detail Actuator side detail Actuator side detail Adjustment detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6 234.7 234.8 234.9 235 235.1	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider In slot of rail Signal winding mount/access detail Slider material	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255.1 255.1 255.2 255.3 255.4 255.5 255.6 255.7 255.8 255.9 256.1	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Actuator side detail Actuator side detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Fixed lifter Lifter surface detail Fixed lifter Lifter surface detail Adjustment detail Actuator side detail Adjustment detail</pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6 234.7 234.8 234.9 235 235.1 235.1	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Disk record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider On/in side of slider Signal winding mount/access detail Rail material	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255.1 255.1 255.2 255.3 255.4 255.5 255.6 255.7 255.8 255.9 256.1 256.2	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Actuator side detail Actuator side detail Lifter surface detail Lifter surface detail Adjustment detail Adjustment detail Adjustment detail Fixed lifter Lifter surface detail Lifter surface detail Lifter surface detail Adjustment detail </pre>
100.1 101 220 221 221.1 224 230 231 234 234.1 234.2 234.3 234.4 234.5 234.6 234.6 234.7 234.8 234.9 235 235.1	.Drum record HEAD TRANSPORT WITH RECORD STATIONARY DURING TRANSDUCING FLUID BEARING RECORD SUPPORT .Tape record .Liquid bearing .Disk record FLUID BEARING HEAD SUPPORT .Tape record .Liquid bearing .Flexible disk .Air bearing slider detail IC/circuit component on slider Electrical attachment of slider/head Mechanical attachment of slider to its support Head attachment to slider In slot of rail Signal winding mount/access detail Slider material	251.4 251.5 254 254.1 254.2 254.3 254.4 254.5 254.6 254.7 254.8 254.9 255.1 255.1 255.2 255.3 255.4 255.5 255.6 255.7 255.8 255.9 256.1	<pre>Solenoid type Rotary head type Disk record Flexible disk Arcuate track change type Moving lifter Lifter surface detail Adjustment detail Actuator side detail Fixed lifter Lifter surface detail Adjustment detail Actuator side detail Actuator side detail Adjustment detail Adjustment detail Adjustment detail Adjustment detail Fixed lifter Lifter surface detail Fixed lifter Lifter surface detail Adjustment detail Actuator side detail Adjustment detail</pre>

360 - 4 CLASS 360 DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL

256.5	Plural latches	270	.For moving head during
256.6	Adjustment detail		transducing
260	.For shifting head between tracks	271	Tape record having rotary head
261	Tape record having rotary head	271.1	Rotating drum
	movement	271.2	Axle bearing
261.1	Tape record having linear head	271.3	Hydrodynamic
	movement	271.4	Axle seal
261.2	Cam	271.5	Head mount to drum
261.3	Screw	271.6	Drum mounting
264	Disk record	271.7	Drum motor
264.1	Arcuate head movement	271.8	Stationary drum
264.2	Electrical connection detail	271.9	Electrical connection detail
	onto actuator arm	272	Power supply
264.3	Driver detail	281	Signal transfer to/from head
264.4	Independent head movement	281.1	Transformer mounting detail
264.5	Plural drivers for each head	281.2	Transformer axis parallel to
264.6	Band		axis of head rotation
264.7	Voice coil	281.3	Transformer axis
264.8	Core detail		perpendicular to axis of head
264.9	Magnet detail		rotation
265	Winding detail	281.4	Coil/winding detail
265.1	Limiter/stop	281.5	Core detail
265.2	Bearing	281.6	Electrical or magnetic
265.3	Seal		shielding
265.4	Radial	281.7	Electrical connection between
265.5	Thrust		head and rotary part of
265.6	Mounting detail		transformer
265.7	E block detail	281.8	Plural transformers
265.8	Detail of coil support	281.9	Photoelectric
265.9	Detail of actuator arm	282	Contact type transformer
	supporting head suspension	274	Disk record
266	Arm shape	290	.For adjusting head position
266.1	Arm mounting	291	Tape record
266.2	Linear head movement	291.1	Cam adjuster
266.3	Electrical connection detail	291.2	Screw adjuster
	onto actuator arm	291.3	Plural screws
266.4	Voice coil	291.4	Rotary head
266.5	Carriage detail	291.5	Adjustment of drum axis
266.6	Guide detail	291.6	Adjustable head mount
266.7	Core detail	291.7	Adjuster core detail
266.8	Magnet detail	291.8	Adjuster coil detail
266.9	Winding detail	291.9	Piezoelectric adjuster
267	Band	292	Plural piezoelectric
267.1	Cam		adjusters
267.2	Rack	294	Disk record
267.3	Screw	294.1	Adjustment parallel to disk
267.4	Screw/follower detail		plane
267.5	Carriage detail	294.2	Linear adjustment
267.6	Guide detail	294.3	Driver detail
267.7	Screw mount detail	294.4	Piezoelectric adjuster
267.8	Adjustable	294.5	Voice coil adjuster
267.9	Including shifting head to	294.6	Pivot structure detail
	different disks	294.7	Adjustment along rotational
			axis of disk

241	.Tape record	317	Combined with inductive write
241.1	Plural head mounting on only one tape side		head in piggyback/merged configuration
241.2	Plural head mounting on	318	Combined with inductive write
041 0	opposite tape sides		head and having MR inside of inductive head
241.3	Head urging detail	318.1	In horizontal head
244	.Disk record	J10.1	
244.1	IC/circuit component on	319	configuration
	suspension element		Detail of magnetic shielding
244.2	Load beam detail	320	Detail of head insulation
244.3	Laminated beam	321	Having flux guide detail
244.4	Nonmetallic beam	322	Detail of sense conductor
244.5	Actuator mount region detail	323	Electrostatic Discharge (ESD)
244.6	Ball staking		protection
244.7	Adhesive	324	Having Giant Magnetoresistive
244.8	Spring region detail		(GMR) or Colossal
244.9	Rigid intermediate section		Magnetoresistive (CMR) sensor
	detail		formed of multiple thin films
245	Gimbal mounting region detail	324.1	Having one film pinned (e.g.,
245.1	Pivot/load button detail		spin valve)
245.2	Assembly feature	324.11	Detail of pinned film or
245.3	Gimbal detail		additional film for affecting
245.4	Attachment detail	204 40	or biasing the pinned film
245.5	Integral with load beam	324.12	Detail of free layer or
245.6	Plural axis components		additional film for affecting
245.7	Motion limiter detail	204 0	or biasing the free layer
245.8	Electrical connection detail	324.2	Having tunnel junction effect
245.9	Flexible printed circuit type	325	Having Anisotropic
246	Noise reduction		Magnetoresistive (AMR) sensor
246.1	Full contact suspension	200	formed of multiple thin films
246.2	Slider detail	326	Having Giant Magnetoresistive
246.3	Pivot detail		(GMR) or Colossal
246.4	Gimbal detail		Magnetoresistive (CMR) sensor
246.5	Single head	327	formed of a single thin film
246.6	Plural heads for each disk side	521	Having Anisotropic
246.7	Plural actuators		Magnetoresistive (AMR) sensor
246.8	Offset heads on opposite sides	327.1	formed of a single thin filmDetail of transverse and
	of disk	527.I	longitudinal biasing
110	HEAD	327.11	In barber-pole configuration
111	.Flux gate	327.11	Detail of transverse biasing
112	.Hall effect	327.21	_
313	.Magnetoresistive (MR)	327.21	Using a shunt
	reproducing head		Using a soft adjacent layer
314	Having multiple interconnected	327.23	Using a permanent magnet
911	multiple film MR sensors	327.24	Using conductor
	(e.g., dual spin valve	327.3	Detail of longitudinal biasing
	magnetoresistive sensor)	327.31	Using a permanent magnet
315	Having multiple interconnected	327.32	Using exchange couple biasing
	single film MR sensors (e.g.,	327.33	Using conductor
	dual magnetoresistive sensor)	328	.Magnetostrictive head
316	Having multiple independent MR	114.01	.Read only detector using light
	sensors		for reading magnetically
		111 00	recorded information on tape
		114.02	Light beam generator detail
		114.03	Focus detail

360 - 6 CLASS 360 DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL

114.04	Beam splitter detail	123.23	Coil spacing from plane of
114.05	Readout detector detail		gap
114.06	Focus detail	123.24	Seed layer
114.07	Circuit detail	123.25	Insulation detail
114.08	Detector material detail		Zero throat height detail
114.09	Mounting detail		Apex angle
114.1	Rotary head	123.28	Plural layers
115	.Flux scanning	123.29	Diverse materials
116	.Cathode ray	123.3	Planarizing layer
117	.Hand-held	123.31	Below coil
118	.Erase	123.32	Above coil
121	.Plural gaps	123.33	Between traces
119.01	.Gap spacer	123.34	Between coil and medium
119.02	For perpendicular recording	123.35	Plural diverse layers
	head	123.36	Electrical connection detail
119.03	Laminated spacer	123.37	Shielding/protection
119.04	Configuration detail	123.38	Plural plane coil
119.05	For longitudinal thin film	123.39	Intercoil layer electrical
	recording head		connection detail
119.06	Pancake type	123.4	Configuration detail
119.07	Laminated spacer	123.41	Trace cross section shape
119.08	With thermally conductive	123.42	Trace spacing
	material	123.43	Coil spacing from storage
119.09	With diffusion barrier		medium
119.1	Three or more layers	123.44	Coil spacing from plane of
119.11	Configuration detail		gap
119.12	Nonuniform width transducing	123.45	Seed layer
	face	123.46	Insulation detail
119.13	Nonuniform width vertically	123.47	Zero throat height detail
122	.Head surface structure	123.48	Apex angle
123.01	.Coil	123.49	Plural layers
123.02	For perpendicular recording	123.5	Diverse materials
120.02	head	123.51	Planarizing layer
123.03	Location	123.52	Below coil
123.04	On return pole	123.52	Above coil
123.05	On main/recording pole	123.54	Between traces
123.06	Configuration detail	123.54 123.55	Between coil and medium
123.00	Nonuniform trace spacing	123.55	Plural diverse layers
123.08	Trace cross section shape	123.50	Electrical connection detail
123.00	Insulation detail	123.57	Shielding/protection
123.1	Electrical connection detail	123.58	Location
123.11		123.59	
	Plural separate coils	123.0	Coil around pole adjacent
123.12	Shielding/protection	100 (1	substrate
123.13	For longitudinal recording head	123.61	Coil around pole remote from
123.14	Pancake type	105 01	substrate
123.15	Plural coil layers	125.01	.Core
123.16	Insulation detail	125.02	Perpendicular recording head
123.17	Plural separate coils	125.03	Main/recording pole
123.18	Single plane coil	125.04	Plural poles
123.19	Configuration detail	125.05	Offset from track centerline
123.2	Trace cross section shape	125.06	Separate pole tip
123.21	Trace spacing	125.07	Junction detail
123.22	Coil spacing from storage	125.08	Laminated
	medium		

125.09	Nonuniform width transducing face
125.1	Nonuniform width vertically
125.11	Nonuniform thickness vertically
125.12	-
125.13	Nonuniform width transducing face
125.14	Nonuniform width vertically
125.15	Nonuniform thickness vertically
125.16	-
125.17	
125.18	E Contraction of the second seco
125.19	
125.2	Nonuniform width vertically
125.21	
	vertically
125.22	Separate pole tip
125.23	Junction detail
125.24	Laminated
125.25	Configuration detail
125.26	Laminated
125.27	
125.28	Laminated
125.29	Junction detail
125.3	Accessory feature
125.31	Heat generating structure
125.32	Heat transfer structure
125.33	3
405 04	recording head
125.34	
125.35 125.36	Core section adjacent medium
	Back core section remote from medium
125.37	1 5
125.38	Substrate
125.39	Laminated
125.4	Nonuniform thickness vertically
125.41	Pole adjacent substrate
125.42	Zero throat height detail
125.43	Separate pole tip
125.44	Junction detail
125.45	Laminated
125.46	Nonuniform width transducing
105 47	face
125.47 125.48	Nonuniform width vertically
123.48	vertically
125.49	Projecting
125.5	Laminated

105 51	Nouse form width two advators
125.51	-
	face
125.52	_
125.53	Nonuniform thickness
	vertically
125.54	Pole remote from substrate
125.55	Zero throath height detail
125.56	Separate pole tip
125.57	Junction detail
125.58	Laminated
125.50	Nonuniform width transducing
123.39	_
105 6	face
125.6	Nonuniform width vertically
125.61	Nonuniform thickness
	vertically
125.62	Projecting
125.63	Laminated
125.64	Nonuniform width transducing
	face
125.65	Nonuniform width vertically
125.66	Nonuniform thicknes
	vertically
125.67	Coupling section
125.68	Junction detail
125.69	Laminated
125.7	Nonuniform cross section
125.71	Accessory feature
125.72	Protective structure
125.73	Laminated
125.74	Heat generating structure
125.75	Heat transfer structure
128	.Head accessory
129	Housing
130.1	Record separator
130.2	Record guide
130.21	
130.22	
130.23	Helical scan
130.23	Head drum details
130.3	
	Pressure element
130.31	Tape record
130.32	Element mounting details
130.33	Element in tape container
130.34	Disc record
131	RECORD MEDIUM
132	.In container
133	For disk
134	.Tape
135	.Disk
136	.Drum
137	MISCELLANEOUS

		FOR 218 .Gap structure details (360/119)
CROSS-	-REFERENCE ART COLLECTIONS	FOR 219Spacer material (360/120)
		FOR 220 .Head winding (360/123)
900	DISK DRIVE PACKAGING	FOR 221 For cross-talk prevention (360/
901	Access time	124)
902	.Storage density (e.g., bpi, tpi)	FOR 222 .Head core (360/125)
903	.Physical parameter (e.g., form	FOR 223Laminated (360/126)
	factor)	FOR 224 Nonmetallic (360/127)
904	Weight	FOR 214 .Magneto optic (360/114)

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

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FOR 202 FLUID BEARING HEAD (360/102)
FOR 203 .Flying head (360/103)
FOR 204 HEAD MOUNTING (360/104)
FOR 205 .For moving head into and out of
           transducing position (360/105)
FOR 206 .For shifting head between tracks
           (360/106)
FOR 207 .For moving head during
           transducing (360/107)
FOR 208 ...Signal transfer to and from
           head (360/108)
FOR 209 .For adjusting head position
           (360/109)
FOR 213 MAGNETORESISTIVE OR
           MAGNETOSTRICTIVE HEAD (360/
           113)
        HEAD (340/110)
        .Tape record
        .. Plural tapes
FOR 215 ... Tape in container (360/92)
        .. Tape in container
        ... Plural reels
FOR 216 .... Tape in container (360/96.5)
FOR 217 .....With pivotal holder (360/
           96.6)
        HEAD
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