100	HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION), PER SE	170	.Information processing (e.g., logic circuits, computer, etc.) or information storage or retrieval system, device,
110	.Having Tc greater than or equal to 150 K		or component (1.e., both dynamic and static)
120	.Thallium (Tl) containing	171	Recording by magnetism,
121	Bismuth (Bi) containing		magnetic record carriers, or
122	.Organic polymer containing		recording head arrangements
123	.Halogen [i.e., fluorine (Fl),	180	.Device producing stimulated
-	chlorine (Cl), bromine (Br), iodine (I), astatine (At)]	101	emission (e.g., laser, maser, etc.)
	containing	181	.Photoconductive, light
124	.Free metal containing		transmissive, light emissive,
125	.Copper (Cu) and oxygen (O)		or light responsive device or component
126	Containing three store of	182	Device or arrangement the
120	coppor to botwoon giv and		operation of which is modified
	seven atoms of ovvgen [e g		by changing optical properties
	$YC_{1130}(7-4)$, $LaC_{1130}(6+*)$, etc.]		(e.g., reflectivity,
150	HIGH TEMPERATURE (TC GREATER THAN		transmission, etc.) of
	30 K) DEVICES, SYSTEMS,	100	superconduc- tive material
	APPARATUS, COM- PONENTS, OR	100	Having optical waveguide
	STOCK, OR PROCESSES OF USING	190	.Josephson junction, per se
160	.Measuring or testing system or device		(e.g., point contact, bridge, barrier junction, SIS, SNS,
161	Bolometer		SSS, etc.) or Josephson
162	Magnetic field sensing system		Junction with only terminals
	or device (e.g., SQUID, etc.)	101	Comiconductor thin film dowice
163	.Significant cryogenic	171	or thin film electric solid-
	refrigeration system having superconductor component as		state device or system (i.e., active or passive)
	part of the system or having	192	Capacitor or including
	superconductor device or		capacitor
	material to be cooled present	193	Superconducting transistor
	effect device, etc.)		(e.g., Josephson transistor, etc.)
164	.Projectile or launching device	200	.Electric discharge tube
4.65	or system	201	.Antenna
165	.System, device, or component	202	.Electric communication system
	utilizing suspension of superconducting particulate material in liquid (e.g., seal, pump, etc.)		containing transmitter or receiver of pulse, digital, or electromagnetic radio,
166	.Dynamoelectric machine (e.g.,	0.00	television, or radar wave form
	motor, generator, etc.),	203	Electroacoustic transducer
	rotational system or device (e.g., clutch, rotor, bearing,	204	.Device or system with electronic circuitry for generation of
	etc.), or components thereof	210	USCIIIALIONS
		ZIU	.nigh frequency waveguides, resonators, electrical networks, or other devices of the waveguide type (e.g.,

phase shifters, cavity

filters, etc.)

505 - 2 CLASS 505 SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS

211	.Electrical energy storage device
	(e.g., accumulator, etc.),
	inductor, transformer,
	magnetic switch, magnetic
	ring, sphere, coil, or
	magnetic arrangement
212	Truncated hollow spherical or
	truncated cylindrical flux
	source bodies (e.g., magic
	hemisphere, magic half-ring,
	etc.)
213	Noncoiled hollow magnetic
	arrangement
220	.Superconductor having metal
	connect, pad, connect
	structure, or patterned
	superconductor circuit, per se
230	.Superconducting wire, tape,
	cable, or fiber, per se
231	Having plural superconducting
	wire or superconducting fiber
	component (e.g., multifilament
	wire, etc.)
232	Having nonsuperconducting core
233	.Superconducting layer and
	organic or free carbon layer
	(i.e., adjacent or nonadjacent
	to superconductor)
234	.Superconductor next to
	superconductor
235	.Superconductor layer and one
	semiconducting or silicon (Si)
	layer
236	.Superconductor layer next to
	free metal containing layer
237	.Superconductor next to two or
	more nonsuperconductive layers
238	.Superconductor next to layer
	containing nonsuperconducting
	ceramic composition or
	inorganic compound (e.g.,
	metal oxide, metal nitride,
	etc.)
239	.Substrate for supporting
	superconductor
300	PROCESSES OF PRODUCING OR
	TREATING HIGH TEMPERATURE (TC
	GREATER THAN 30 K)
	SUPERCONDUCTOR MATERIAL OR
	SUPERCONDUCTOR CONTAINING

PRODUCTS OR PRECURSORS THEREOF

.With measuring or testing of

superconducting properties

320	.Producing lattice imperfection
	flux pinning sites or
	increasing critical current
	density through particle
	bombardment, electromagnetic
	wave energy, or using
	fissionable material
325	.Utilizing particle (e.g.,
	electron beam, ion, etc.)

- bombardment or electromagnetic wave energy (e.g., laser, etc.) treatment of selected regions to form conducting or insulating areas
- 329 .Producing Josephson junction, per se (e.g., point contact, bridge, barrier junction, SIS, SNS, SSS, etc.)
- 330 .Semiconductor device or thin film electric solid-state device manufacture
- 400 .Using magnetic field (e.g., for aligning, texturizing, classifying, etc.)

- 410 .With material removal by etching, laser ablation, or mechanical abrasion
- 411 ..Utilizing plasma etching or sputter etching
- 412 ..Laser ablation
- 413 ..Utilizing mask (e.g., photoresist, etc.)
- 420 .With glass forming, working, or treating
 425 .Producing powder or short fiber

	(1.e., less than 15 cm) by
	spraying, dropping, or
	slinging of solution,
	suspension, or melt (e.g.,
	spray-drying, atomizing, etc.)
430	.Process of making wire, tape,
	cable, coil, or fiber
431	Making multifilament
432	Isostatic pressing (e.g., HIP,
	hydrostatic pressing, etc.)
433	With metal deforming, metal
	wrapping, or metal coiling

- 434 ..With coating
- 440 .Utilizing sol or gel
- 441 .With precipitating from solution

310

445	.Using an organometallic
	cholato clathrato otc.)
116	Including costing stop
440	
44/	vapor deposition
450	.With melting
451	With zone melting, zone
	solidification, or seed
	pulling
452	And coating or impregnating with melt
160	Droducing fullerone (i.e. C60)
400	time supersonductor or onelog
	type superconductor of analog
1 (1	
461	. Producing halogen [i.e.,
	fluorine (F1), chlorine (C1),
	bromine (Br), or astatine
	(At)], containing
. – .	superconductor
470	.Coating
471	Printing (e.g., screen
	printing, etc.) or application
	with solid coating means
472	Electrolytic or electrophoretic
	coating
473	Vapor deposition
474	Laser evaporative (i.e.,
	ablative) coating
475	Sputtering
476	RF sputtering (e.g., 13.56
	MHz, etc.)
477	Using plasma
480	.Utilizing electromagnetic wave
100	energy, jon, or plasma
181	Including exothermic reaction or
401	ignition of binder
182	Troating with high processo
402	ovygon
183	Utilizing fluid bod
405	Chaping or consolidating (o g
490	. Shaping of consolidating (e.g.,
401	pelletizing, compacting, etc.)
491	Utilizing isostatic pressure
	(e.g., HIP, etc.) or specified
	pressure
492	Bismuth (Bi) or thallium (Tl)
	containing
500	.Heating, annealing, or sintering
501	Bismuth (Bi) or thallium (Tl)
	containing
510	PRECURSOR OF HIGH TEMPERATURE (TC
	GREATER THAN 30 K)
	SUPERCONDUCTOR MATERIAL OR
	STOCK, PER SE, OR PROCESS OF
	PRODUCING THE PRECURSOR
511	.Target for coating

512 ..Organometallic (e.g., ligand, clathrate, oxalate, etc.)

CROSS-REFERENCE ART COLLECTIONS

	A. INVOLVING HIGH TEMPERATURE			
	MATERIAL (TC ABOVE 30 K)			
700	HIGH TC (ABOVE 30 K)			
	SUPERCONDUCTING DEVICE,			
	ARTICLE, OR STRUCTURED STOCK			
701	.Coated or thin film device			
	(i.e., active or passive)			
702	Josephson junction present			
703	Microelectronic device with			
	superconducting conduction			
	line			
704	.Wire, fiber, or cable			
705	Magnetic coil			
706	.Contact pads or leads bonded to			
705	superconductor			
125	PROCESS OF MAKING OR TREATING			
	HIGH TC (ABOVE 30 K)			
	MAREPIAL APPICLE OF DEVICE			
726	Measuring or testing of			
120	superconducting property			
727	Using magnetic field			
72.8	Etching			
729	Growing single crystal (e.g.			
. 2.9	epitaxy, bulk)			
730	.Vacuum treating or coating			
731	Sputter coating			
732	Evaporative coating with			
	superconducting material			
733	.Rapid solidification (e.g.,			
	quenching, gas-atomizing,			
	melt-spinning, roller-			
	quenching)			
734	.From organometallic precursors			
	(e.g., acetylacetonates)			
735	By sol-gel process			
736	.From free metal precursors			
737	.From inorganic salt precursors			
	(e.g., nitrates)			
738	By precipitating			
739	.Molding, coating, shaping, or			
	casting of superconducting			
	material			
740	To form wire or fiber			
741	Coating or casting onto a			
	substrate (e.g., screen			
740	printing, tape casting)			
/42	.Annealing			

CLASS 505 SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS 505 - 4

775	HIGH TC (ABOVE 30 K) SUPERCONDUCTING MATERIAL	801	.Composition: (Classes 75, 252, 501)
776	.Containing transition metal	802	Organic
	oxide with rare earth or	803	Magnetic
	alkaline earth	804	Amorphous alloy
777	Lanthanum (La)-(e.g., La2Cu04)	805	Alloy or metallic: (Class
778	Alkaline earth (i.e., Ca, Sr,		420,420/901)
	Ba, Ra)- [e.g., La(2-	806	Niobium base (Nb)
	x)Ba(x)CuO4]	807	Powder: (Class 75)
779	Other rare earth (i.e.,	808	Liquid crystal: (Class 252)
	Sc,Y,Ce,Pr,Nd,Pm,Sm,Eu,Gd,Tb,D	809	Ceramic: (Class 501)
	y,Ho,Er,Tm,Yb,Lu) and alkaline	810	.Compound: (Class 423)
	earth (i.e., Ca,Sr,Ba,Ra)	811	Organic: (Classes 520-570)
780	Yttrium(Y) and barium(Ba)-	812	Stock: (Class 428, 428/930)
	(e.g., YBa2Cu307)	813	Wire, tape, or film
781	Noble metal (i.e., Ag, Au,	814	Treated metal: (Class 148/400
	Os, Ir, Pt, Ru, Rh, Pd) or	815	Process of making, per se
	<pre>chromium(Cr), manganese(Mn),</pre>	816	Sputtering, including coating
	<pre>iron(Fe), cobalt(Co), or</pre>	010	forming, or etching (Class
	nickel(Ni)-[e.g., YBa2Cu(3-		204/192.24)
	x)Fe(x)O(y)]	817	Forming Josephson element
782	Bismuth(Bi)-(e.g., BiCaSrCu0)	818	
783	Thallium(Tl)-(e.g.,	819	Vapor deposition
	Tl2CaBaCu308)	820	And etching
784	.Bismuth(Bi)-(e.g., BaKBi0)	821	Wire
785	.Composition containing	822	Shaping: (Classes 148, 264)
	superconducting material and	823	Powder metallurgy (Class 419
	diverse nonsuperconducting	824	Battery thermo or photo-
0 - 0	material	024	electric (Class 136)
950	MANUFACTURING SYSTEM OR APPARATUS	825	APPARATUS PER SE DEVICE PER
	FOR MAKING HIGH TEMPERATURE	025	SE. OR PROCESS OF MAKING OR
	(I.E., TC GREATER THAN 30 K)		OPERATING SAME
	SUPERCONDUCTOR PRODUCT,	826	Coating: (Class 118)
	DEVICE, ARTICLE OR STOCK	827	Code converter: (Class 340)
	(I.E., WAICH SISTEM OR	828	Modulator: (Class 332)
	CONTAIN A SUDERCONDUCTING	020	demodulator, or detector:
	COMPONENT)		(Class 329)
951	NDI. DIJIS FO HIGH TEMPERATURE (TC	829	Electrical computer or data
J JT	GREATER THAN 30 K)		processing system (Class 364
	SUPERCONDUCTOR: MATERIAL	830	.Electrical pulse counter, puls
	(I.E., ELEMENT, COMPOUND, OR		divider, or shift register:
	COMPOSITION) DEVICES, SYSTEMS,		(Class 377)
	APPARATUS, COMPONENTS, STOCK,	831	.Static information storage
	PROCESSES OF USING SAME, OR		system or device: (Class 365
	PROCESSES OF PRODUCING OR		365/160)
	TREATING HIGH TEMPERATURE (TC	832	Josephson junction type: (Clas
	GREATER THAN 30 K)		365/162)
	SUPERCONDUCTOR MATERIAL OR	833	Thin film type: (Class 365/16
	SUPERCONDUCTOR CONTAINING	834	Plural (e.g., memory matrix.
	SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF	834	etc.): (Class 365/161)
	SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF B. INVOLVING LOW TEMPERATURE	834 835	etc.): (Class 365/161) Content addressed (i.e
	SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF B. INVOLVING LOW TEMPERATURE SUPERCONDUCTORS (TC AT OR	834 835	<pre>Plural (e.g., memory matrix, etc.): (Class 365/161) Content addressed (i.e., associative memory type):</pre>
	SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF B. INVOLVING LOW TEMPERATURE SUPERCONDUCTORS (TC AT OR BELOW 30 K)	834 835	<pre>Plural (e.g., memory matrix, etc.): (Class 365/161) Content addressed (i.e., associative memory type): (Class 365/49, 161)</pre>
800	SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF B. INVOLVING LOW TEMPERATURE SUPERCONDUCTORS (TC AT OR BELOW 30 K) MATERIAL, PER SE, PROCESS OF	834 835	<pre>Plural (e.g., memory matrix, etc.): (Class 365/161) Content addressed (i.e., associative memory type): (Class 365/49, 161)</pre>

)5	Alloy or metallic: (Class
	420,420/901)
06	Niobium base (Nb)
)7	Powder: (Class 75)
8	Liquid crystal: (Class 252)
)9	Ceramic: (Class 501)
10	.Compound: (Class 423)
11	Organic: (Classes 520-570)
12	Stock: (Class 428, 428/930)
13	Wire, tape, or film
1 /	Treated metal: (Class 1/8//00+)
15	Process of making por so
16	Controling including costing
	forming or otching (Class
	contraction of electring (class
1 17	204/192.24)
L /	Forming Josephson element
L8	Coating: (Classes 204, 427/62)
19	Vapor deposition
20	And etching
21	Wire
22	Shaping: (Classes 148, 264)
23	Powder metallurgy: (Class 419)
24	Battery, thermo or photo-
	ologtrig, (Clagg 126)
	erectric: (Crass 150)
25	APPARATUS, PER SE, DEVICE, PER
25	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR
25	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME
25	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118)
25 26 27	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340)
25 26 27 28	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),
25 26 27 28	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector:
25 26 27 28	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329)
25 26 27 28 29	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data
25 26 27 28 29	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364)
25 26 27 28 29 30	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse
25 26 27 28 29 30	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register:
25 26 27 28 29 30	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377)
25 26 27 28 29 30	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage
25 26 27 28 29 30 31	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365.
25 26 27 28 29 30 31	APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160)
25 26 27 28 29 30 31	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class</pre>
25 26 27 28 29 30 31 32	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class 365/162)</pre>
225 26 27 28 29 30 31 32 32	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class 365/162) Thin film type: (Class 265/161)</pre>
225 26 27 28 29 30 31 32 33	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class 365/162) .Thin film type: (Class 365/161) Pluval (o g</pre>
225 26 27 28 29 30 31 32 33 34	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class 365/162) Plural (e.g., memory matrix, ata): (Class 265/161)</pre>
225 26 27 28 29 30 31 32 33 34	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class 365/162) Thin film type: (Class 365/161) Plural (e.g., memory matrix, etc.): (Class 365/161)</pre>
 25 26 27 28 29 30 31 32 334 35 	<pre>APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160) Josephson junction type: (Class 365/162) Thin film type: (Class 365/161) Plural (e.g., memory matrix, etc.): (Class 365/161) Content addressed (i.e.,</pre>

836	Location addressed (i.e.,	861	With Josephson junction:
	word organized memory type:		(Class 307/245)
837	(Class 365/161) Random access (i.e. bit	862	With thin film device: (Class
057	ergenized memory type). (Class	062	Stable state singuit for
	365/161)	863	Stable state circuit for
020	Divrol (o g momorry motoriy		signal snaping, converting, or
000	Piurai (e.g., memory matrix,	0 (1	generating: (class 507/277)
020	Contont addressed (i a	004	(Class 207/277)
629	content addressed (1.e.,	0 (5	(Class 307/277)
	(Class 265/160)	805	With Josephson junction:
010	(Class 505/100)	0.00	(Class 307/306)
040	organized memory type). (Class	800	.wave transmission line, network,
	365/160)		waveguide, or microwave
Q/1	Bandom aggogg (i o bit		storage device: (Class 333/
041	organized memory type). (Class	067	
	365/160)	807	.Electric power conversion system: (Class 363)
842	.Measuring and testing: (Classes	868	Current conversion: (Class 363/
-	73, 324, 356, and 374)	000	14)
843	Electrical: (Class 324)	869	.Power supply, regulation, or
844	Nuclear magnetic resonance		energy storage system: (Class
	(NMR) system or device: (Class		323)
	324)	870	Including transformer or
845	Magnetometer: (Class 324/248)		inductor: (Class 323/360)
846	Using superconductive quantum	871	.Magnetic lens: (Class 250/396)
	<pre>interference device (i.e., SQUID): (Class 324/248)</pre>	872	.Magnetic field shield: (Class 307/91)
847	Thermal: (Class 374)	873	Active solid-state device:
848	.Radiant energy application:		(Class 257)
	(Class 250)	874	.With Josephson junction (e.g.
849	Infrared responsive electric	0,1	SOUID, etc.): (Class 257)
	signaling: (Class 250/338+)	875	Combined with housing and
850	.Protective circuit: (Class 361/		cryogenic fluid cooling:
	19)		(Class 257)
851	.Control circuit for	876	.Electrical generator or motor
	electromagnetic device: (Class		structure: (Class 310)
	361/141)	877	Rotary dynamoelectric type:
852	.Electric motor control: (Class		(Class 310/40+)
	318)	878	With cooling: (Class 310/52+)
853	.Oscillator: (Class 331)	879	.Magnet or electromagnet: (Class
854	With solid-state active		335/216)
	element: (Class 331/107S)	880	.Inductor: (Class 336/DIG 1)
855	.Amplifier: (Class 330)	881	.Resistance device responsive to
856	.Electrical transmission or		magnetic field: (Class 338/
	interconnection system: (Class		32S)
	307)	882	.Circuit maker or breaker: (Class
857	Nonlinear solid-state device		200)
	system or circuit: (Class 307/	883	.Housing and mounting assembly
	200+)		with plural diverse electrical
858	Digital logic: (Class 307/476)		components: (Class 361/331+)
859	Function of AND, OR, NAND,	884	.Conductor: (Class 174)
	NOR or NOT: (Class 307/462)	885	Cooling, or feeding,
860	Gating (i.e., switching)		circulating, or distributing
	circuit: (Class 307/245)		fluid; in superconductive
			apparatus: (Class 174/15CA)

505 - 6 CLASS 505 SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS

886 887	Cable: (Class 174/15S) Conductor structure: (Class	922	Making Josephson junction device
	174/126S and 128S)	923	Making device having
888	.Refrigeration: (Class 62)		semiconductive component
889	Utilizing rare earth material		(e.g., integrated circuit,
890	Heat pipe device		etc.)
891	Magnetic or electrical effect cooling	924	Making superconductive magnet or coil
892	. Magnetic device cooling	925	Making superconductive joint
893	Spectrometer	926	Mechanically joining
894	Cyclic cryogenic system (e.g.		superconductive members
	Sterling, Gifford-McMahon, etc.)	927	Metallurgically bonding superconductive members
895	With regenerative heat	928	Metal deforming
	exchanger	929	By extruding
896	Special refrigerant compound	930	By drawing
897	Cryogenic media transfer	931	.Classifying, separating, and
898	Cryogenic envelope		assorting solids using
899	Method of cooling		magnetism: (Class 209)
900	Heat exchange: (Class 165)	932	Separating diverse particulates
901	Heat nine	933	In liquid slurry
902	Railway (e a rapid transit		
502	etc.): (Class 104)		
903	Suspension (e.g., magnetic,		
	electrodynamic, etc.)	FOREIGN	ART COLLECTIONS
904	Guidance means (i.e., in addition to the track)	FOR 000	CLASS-BELATED FORETCN DOCIMENTS
905	Motor structure	1010 000	
906			
500	electrical not railway stock		
0.07	diverting)		
907	Support structure		
908	Method of operation		
909	.Power plant: (Class 60)		
910	.Pump: (Class 417)		
911	.Fluid reaction surface (i.e., impeller): (Class 416)		
912	.Metal founding: (Class 164)		
913	Casting process		
914	Using magnetic or electric field		
915	Making composite product		
916	Continuous casting		
917	Mechanically manufacturing		
	superconductor: (Classes 29,		
918	With metallurgical heat		
710	treating		
919	Reactive formation of		
J _ J	superconducting intermetallic		
020			
7∠U 001	ULITZING allTusion barrier		
JLT	treating		