

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

CLASSIFICATION ORDER 1882

JANUARY 6, 2009

PROJECT E-6066

**The following classification changes will be effected by this order:**

	<u>Class</u>	<u>Subclass</u>	<u>Art Unit</u>	<u>Ex'r Search Room</u>
<b>Abolished:</b>	361	679 – 687	2835	OS0001
<b>Established:</b>	361	679.01-679.09, 679.1, 679.11-679.19, 679.2, 679.21-679.29, 679.3, 679.31-679.39, 679.4, 679.41-679.49, 679.5, 679.51-679.59, 679.6, 679.61	2835	OS0001

**This order includes the following:**

174, 257, 330, 331, 340, 349, 358, 399, 438, 463, 708, 709, 710, 711

- A. CLASSIFICATION MANUAL CHANGES
- B. LISTING OF PRINCIPAL SOURCE OF ESTABLISHED AND DISPOSITION OF ABOLISHED SUBCLASSES
- C. CHANGES TO THE USPC-TO-IPC CONCORDANCE
- D. DEFINITION CHANGES AND NEW OR ADDITIONAL DEFINITIONS

CLASSIFICATION ORDER 1882

JANUARY 6, 2009

PROJECT C-6066

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JANUARY 2009

1	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES	50	...With more than two wires
2	.Arc suppression at switching point (i.e., includes solid-state switch)	51	.Overspeed responsive
3	..Synchronized or sequential opening or closing	52	.By regulating source or load (e.g., generator field killed)
4	...Counter electromotive force	53	..Prime mover control
5	...With current sensitive control circuit	54	.Load shunting by fault responsive means (e.g., crowbar circuit)
6	...With voltage sensitive control circuit	55	..Disconnect after shunting
7	...With combined voltage and current sensitive control circuit	56	..Voltage responsive
8	...Shunt bypass	57	..Current responsive
9	...With sequentially inserted impedance	58	.Impedance insertion
10	..By inserting series impedance	59	.Circuit automatically reconnected only after the fault is cleared
11	..Nonlinear impedance	60	..With differential voltage comparison across the circuit interrupting means
12	..By arc stretching (e.g., horn gap)	61	..Reclosing of the nonfaulty phases of a polyphase system
13	..Shunt bypass of main switch	62	.Feeder protection in distribution networks
14	..Arc blowout for main breaker contact (e.g., electromagnet, gas, fluid, etc.)	63	..With current responsive fault sensor
15	.Capacitor protection	64	..With communication between feeder disconnect points
16	..Series connected capacitors	65	..With current and voltage responsive fault sensors
17	..Shunt connected capacitors	66	...With communication between feeder disconnect points
18	.Voltage regulator protective circuits	67	.Series connected sections with faulty section disconnect
19	.Superconductor protective circuits	68	..With communication between disconnect points
20	.Generator protective circuits	69	...Pilot wire communication
21	..Voltage responsive	70	..Constant current system
22	.Compressor protective circuits	71	.Automatic reclosing
23	.Motor protective condition responsive circuits	72	..With lockout means
24	..Current and temperature	73	...Including timer reset before lockout
25	..Motor temperature	74	..Continuous
26	...With bimetallic sensor	75	..With time delay before reclosing
27	...With thermistor sensor	76	.With phase sequence network analyzer
28	..With time delay	77	.Reverse phase responsive
29	..During energization of motor	78	.With specific quantity comparison means
30	..Current and voltage	79	..Voltage and current
31	..Current	80	...Distance relaying
32	...Bimetallic element	81	...With communication means between disconnect points
33	..Voltage	82	..Reverse energy responsive (e.g., directional)
34	...Bimetallic element	83	..With time delay protective means
35	.Transformer protection	84	..Reverse energy responsive (e.g., directional)
36	..With differential sensing means	85	..Phase
37	..With temperature or pressure sensing means	86	..Voltage
38	..Transformer with structurally combined protective device	87	..Current
39	...With lightning arrester and fuse	88	.With specific voltage responsive fault sensor
40	...With lightning arrester (e.g., spark gap)	89	..With time delay protective means
41	...With fuse	90	..Overvoltage and undervoltage
42	.Ground fault protection	91.1	..Overvoltage
43	..Fault suppression (e.g., Petersen coil)	91.2	...With resistor sensor
44	..With differential sensing in a polyphase system	91.3	...Including time delay
45	..With differential sensing in a single phase system		
46	...With more than two wires		
47	..In a polyphase system		
48	...With more than three wires		
49	..In a single phase system		

# Title Change  
\* Newly Established Subclass

@ Indent Change  
& Position Change

	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES	122	..Electrolytic
		123	..Gas blast
	..With specific voltage responsive fault sensor	124	..Thermal (e.g., fusible, bimetallic)
	..Overvoltage	125	..With cutout (e.g., blowout type)
91.4	...Including photo-coupling (e.g., photo-receptors, photo-emitters, etc.)	126	..Current limiting material in discharge path
91.5	...Including P-N junction (e.g., a diode, a zener diode, or transistor)	127	..Nonlinear material (e.g., valve type)
91.6	....With zener diode sensor	128	...With plural gaps in discharge path
91.7	...Protection by snubber circuitry	129	..Plural gaps with common electrode
91.8	...Protection for thyristor	130	..Plural gaps serially connected
92	..Undervoltage	131	..Combined (e.g., with disconnect switch)
93.1	..With specific current responsive fault sensor	132	..With line supporting insulator
93.2	..Digital control	133	..With magnetic means (e.g., electromagnet)
93.3	..Rating plug	134	..Arc stretching (e.g., blowout)
93.4	..Automatic reset after trip	135	...By separating contacts
93.5	..Transformer and resistor sensors	136	..For grounding line
93.6	..Transformer sensor (i.e., toroidal current sensor)	137	..Horn gap
93.7	..Resistor sensor	138	..With resistance insertion
93.8	..Thermal sensing	139	CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
93.9	..Current limiting	140	..Including compensation for thermal change of electromagnetic device
94	..With time delay protective means	141	..Including superconductivity
95	...With instantaneous override	142	..Including housing
96	...With multiple timing characteristics (e.g., short, long)	143	..Systems for magnetizing, demagnetizing, or controlling the magnetic field
97	...With multiple timing characteristics	144	..For lifting or holding
98	...Transistorized	145	..Magnetic chuck-type
99	...Combined thermal-electromagnetic relay	146	..Systems for magnetic field stabilization or compensation
100	..With semiconductor circuit interrupter (e.g., SCR, Triac, Tunnel Diode, etc.)	147	..With permanent magnet
101	...With transistor circuit interrupter	148	..Calibration or permanent magnet
102	..With mechanical circuit breaker	149	..Demagnetizing
103	..Circuit interruption by thermal sensing	150	..Television degaussing
104	..With fuse	151	..Magnetic tape
105	..With bimetallic element	152	..Including particular drive circuit
106	..With thermistor	153	..Pulse initiated
107	..With specific transmission line (e.g., guarded)	154	...Including means to establish plural distinct current levels (e.g., high, low)
108	..Plural conductors in single sheath (e.g., compound)	155	....With capacitor charging or discharging through coil
109	..Too large fault makes breaker inoperative	156	..With capacitor charging or discharging through coil
110	..Transient nonresponsive (e.g., ignores surge on transmission line)	157	..Including instrument (e.g., meter-relay)
111	..Transient responsive	158	..Temperature indicating instrument
112	..With space discharge means	159	..Including means for using, or compensating for, the induced EMF of the electromagnetic device
113	..With tuned circuit	160	..For relays or solenoids
114	..With manual or automatic opening of breaker and manual reclose	161	..Including thermal device
115	..With specific circuit breaker or control structure	162	..Thermoelectric
116	..Pneumatically operated circuit breaker	163	..Bimetallic element
117	..High voltage dissipation (e.g., lightning arrester)	164	...Including heater
118	..Surge prevention (e.g., choke coil)	165	..Thermistor
119	...In communication systems	166	..Plural relays or solenoids sequentially operated
120	..Vacuum or gas filled space discharge	167	...Alternately operated
121	..Fluid (e.g., mercury, quenching)		

## CLASS 361 ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

JANUARY 2009

	CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES	215	.Of storage or hazardous area or fluid handling
	.For relays or solenoids	216	.Structurally combined with building or vehicle
	..Plural relays or solenoids sequentially operated	217	..With external structure of vehicle
168.1	...Pulse responsive	218	...Aircraft
169.1	....Including electronic element	219	...Chain-type grounding means
170	..Condition responsive (e.g., external circuit condition)	220	.Specific conduction means or dissipator
	...Code responsive	221	..Brush- or roller-type structure
171	....Including electronic element	222	..Rod-type structure
172	...Light	223	..Shoe type
173	....Light sensor controls its light path	224	...Integral with shoe
174	....Including electronic element	225	ELECTRIC CHARGING OF OBJECTS OR MATERIALS
175	....Plural light sensors	226	.Particulate matter (e.g., liquids with suspended particles)
176	....Plural light sensors	227	..For spray production
177	...Fluid (e.g., liquid level, humidity)	228	...Liquid type
178	...Proximity or contact	229	.By charged gas irradiation
179	...Metal presence or absence responsive	230	ELECTRIC CHARGE GENERATING OR CONDUCTING MEANS (E.G., CHARGING OF GASES)
180	....Capacitance change-type	231	.Modification of environmental electric charge
181	...Frequency (e.g., audio, radio)	232	.For application to living beings
182	....Plural relays or solenoids as loads	233	.Use of forces of electric charge or field
183	....Specific frequency responsive relay	234	..Pinning
184	...Phase	235	.With specific power supply
185	...Pulse	236	ELECTRICAL SPEED SIGNAL PROCESSING SYSTEMS
186	..Voltage or current level discriminators	237	.With centrifugal weight means
187	...Variable impedance	238	.Antislip detection and circuitry
188	..Plural switches in control circuit	239	.With speed analog electrical signal
189	...Including electronic switch	240	.Including frequency generators
190	..Plural relay or solenoid load selectively operated	241	.Two position (e.g., on-off)
191	...Including interlock	242	.With speed comparison
192	...Electronic interlock	243	.Synchronization of shafts
193	..Holding means	244	..Phase comparison
194	..Time delay	245	POLARITY REVERSING
195	...Including semiconductor device connected to timing element	246	.Automatic
196	....Threshold device (e.g., zener, schockley diode)	247	IGNITING SYSTEMS
197	....Including three or more electrodes (e.g., unijunction)	248	.For explosive devices
198	...Including electric discharge device	249	..With sequential firing by electronic switching
199	....Threshold device (neon tube)	250	..With sequential firing by mechanical switching
200	....Including thyatron	251	..With capacitor discharging into explosive device
201	...Electromechanical delay means	252	..With electromechanical power source
202	..With oscillator	253	.For electric spark ignition
203	..With magnetic amplifier or saturable reactor	254	..With electromagnet control means
204	..Threshold device (e.g., SCR, thyatron)	255	...Including spark electrode make-break
205	..Particular relay or solenoid	256	..With capacitor discharging into sparking transformer
206	...Electrostatic	257	..With capacitor discharge into spark gap
207	...Polarized	258	..With electromechanical generator
208	...Alternating current type	259	..With permanent magnet
209	...Plural coils	260	..With piezoelectric element
210	CONTROL CIRCUITS FOR NONELECTROMAGNETIC TYPE RELAY (E.G., THERMAL RELAYS)	261	..With mechanical arrangement for spark electrode make-break
211	DISCHARGING OR PREVENTING ACCUMULATION OF ELECTRIC CHARGE (E.G., STATIC ELECTRICITY)		
212	.By charged gas irradiation		
213	.Of paper or paper handling machine		

# Title Change  
\* Newly Established Subclass

@ Indent Change  
& Position Change

JANUARY 2009

	IGNITING SYSTEMS	298.4	.....Details of electrical connecting means (e.g., terminal or lead)
	.For electric spark ignition		
262	..With one spark electrode which is hand held	298.5	.....With adjustment means
		300	..With controlling or indicating means
263	..With spark coil or transformer	301.1	..Fixed capacitor
264	.For incandescent ignition	301.2	..Special type (e.g., "bypass" type)
265	..With electromagnet control means	301.3	..Encapsulated
266	..With helical heating element	301.4	..Stack
267	DEMAGNETIZING SYSTEMS AND PROCESSES	301.5	..Wound
268	TRANSFORMERS AND INDUCTORS WITH INTEGRAL SWITCH, CAPACITOR, OR LOCK (E.G., IGNITION COIL)	302	..Feed through
		303	..Significant electrode feature
		304	...Non-self-supporting electrodes
269	..With lock for preventing unauthorized use	305	...Material
		306.1	..Details of electrical connection means (e.g., terminal or lead)
270	..With capacitor element		
271	ELECTROSTATIC CAPACITORS	306.2	...For decoupling type capacitor
272	..With protection or compensating means	306.3	...For multilayer capacitor
273	..Self-healing	307	...Lead extends into body of capacitor
274.1	..Temperature	308.1	...Lead attached to edge of capacitor
274.2	...With fluid cooling means	308.2	....Cap
274.3	...With heat sink	308.3	....Wire
275.1	..For electrical irregularities	309	....Metallized terminal
275.2	...With over-pressure breakaway fuse	310	...Lead extends around at least a portion of capacitor
275.3	...With resistance element		
275.4	...With thermal fuse	311	..Solid dielectric
276	..Cryogenic	312	...Plural dielectrics
277	..Variable	313	....Layered
278	..With significant electrode or terminal feature	314	....Impregnated
		315	.....With specific impregnant
279	..Gas or vacuum dielectric	316	.....Including wax
280	..Responsive to external condition	317	.....Including halogen (e.g., chlorinated)
281	..Electrical		
282	...Thermal	318	.....With stabilizer or modifying substance
283.1	...Pressure		
283.2	....By displacement of stylus or lever	319	....With stabilizer or modifying substance
283.3	....By differential capacitor		
283.4	....By diaphragm	320	....Ceramic and glass
284	...Liquid level	321.1	...Ceramic, glass, or oxide particles
285	...Fluid flow	321.2	...With multilayer ceramic capacitor
286	...Humidity	321.3	....Including metallization coating
287	..Mechanically variable	321.4	....Composition
288	...Push button	321.5	...Composition
289	...Motor driven	321.6	...With tubular capacitor
290	...By varying distance between electrodes	322	...Oxide film
		323	...Plastic
291	....Compression type	324	...Fibrous or fabric (e.g., paper, etc.)
292	...By varying effective area of electrode	325	...Mica
		326	..Vacuum or gas dielectric
293	....Disk trimmer	327	..Liquid dielectric
294	....Direct travel piston type	328	..Multiple capacitors
295	....Piston trimmer	329	..Distinct physically
296	....Sliding plates	330	...Shared electrode
297	....Spiral or helical plates	600	HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE ELECTRICAL COMPONENTS
298.1	....Rotary plates		
299.1	.....Plural capacitors	601	..For electrical power distribution systems and devices
299.2	.....Details of electrical connecting means (e.g., terminal or lead)	602	..Distribution station (i.e., substation)
299.3	.....Details of mounting means		
299.4	.....With adjustment means	603	...Having transformer
299.5	.....Details of insulator feature	604	...Gas insulated
298.2	.....Details of plate feature	605	..Electrical switchgear
298.3	.....Details of dielectric	606	...Truck type

# Title Change  
\* Newly Established Subclass

@ Indent Change  
& Position Change

JANUARY 2009

HOUSING OR MOUNTING ASSEMBLIES WITH	662	...Bypass arrangement
DIVERSE ELECTRICAL COMPONENTS	663	...With transformer or circuit breaker
.For electrical power distribution	664	...Meter mounting arrangements
systems and devices	665	...Adaptable meter supports
..Electrical switchgear	666	...Retractable or detachable meter support
...Truck type		
607	667	...Removable cover
608	668	...Meter terminal and connector arrangements
609		
610	669	...Terminal block
611	670	...Contact blade receiving structure
612	671	...Adjustable or adaptable contacts
613	672	...Tamper resistant
614	673	..Circuit breaker supporting means (i.e., attaching, mounting, etc.)
615	674	..For ballast elements
616	675	..Bus duct
617	676	..With cooling means
618	677	...Fluid
619	678	...Air
620	* 679.01	..For electronic systems and devices
621	* 679.02	..Computer related housing or mounting assemblies
622		
623	* 679.03	...Wearable computer structure
624	* 679.04	...Plural independently movable displays
625	* 679.05	...Telescoping display
626	* 679.06	...Display rotatable about plural axes
627	* 679.07	...About perpendicular axes
628	* 679.08	...For computer keyboard
629	* 679.09	...Portable computer type
630	* 679.1	....Integrated pointing device; e.g., trackball, joystick
631		
632	* 679.11	....Adjustable keyboard
633	* 679.12	.....Tilttable
634	* 679.13	.....Collapsible key type
635	* 679.14	.....Split keyboard
636	* 679.15	.....Foldable keyboard
637	* 679.16	.....Plural foldable sections
638	* 679.17	.....Detachable keyboard
639	* 679.18	...Integrated pointing device; e.g., trackball, joystick, etc.
640		
641	* 679.19	...Hand, wrist or palm rest
642	* 679.2	...Adjustable
643	* 679.21	..For computer display
644	* 679.22	...Desktop type
645	* 679.23	....With support for multimedia device; e.g., speaker, camera, microphone
646		
647	* 679.24	....With support for light protective shield
648		
649	* 679.25	....With document holder
650	* 679.26	...Portable computer type
651	* 679.27	....Hinged or folding display; e.g., laptop computer display
652	* 679.28	.....Electrically connected through hinge means
653		
654	* 679.29	.....Removable display
655	* 679.3	....Handheld computer; e.g., personal digital assistant (PDA)
656		
657	* 679.31	..For computer memory unit
658	* 679.32	...Expansion module type
659		
660		
661		

# Title Change  
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@ Indent Change  
& Position Change

JANUARY 2009

HOUSING OR MOUNTING ASSEMBLIES WITH	709	.....Heat sink
DIVERSE ELECTRICAL COMPONENTS	710	.....Details
.For electronic systems and devices	711	.....Cooling plate or bar
..Computer related housing or mounting	712	.....Thermally and electrically
assemblies		conductive
...For computer memory unit	713	.....Electrically insulating thermally
....Disk drive type		conductive
* 679.34	714	....Through component housing
.....External shock mounting/vibration	715	....For module
damping	716	.....Plural
* 679.35	717	....For active solid state devices
.....Spring	718	.....For integrated circuit
* 679.36	719	.....Circuit board mounted
.....Elastomeric	720	....For printed circuit board
* 679.37	721	.....Plural
.....Removable disk drive support	722	....For electronic circuit
* 679.38	723	....For lead frame
.....Ejectable	724	..Cabinet-type housing
* 679.39	725	...With retractable or readily
.....Slidable		detachable chassis
* 679.4	726	...With locking means or device
...For input/output device	727	...Sliding component or compartment
* 679.41	728	..Module
...Expansion/docking station	729	...Plural
* 679.42	730	...With housing
.....Motorized	731	.....Interchangeable
* 679.43	732	....Having lock or interlock
.....Latching	733	.....Selective connections
* 679.44	734	....With coupling or decoupling
.....Adjustable		capacitor
* 679.45	735	....Stacked
....Port replicator	736	..With printed circuit boards
* 679.46	737	....IC card or card member
...With cooling means	738	....With resistor and capacitor
* 679.47	739	....With particular material
....Plural diverse cooling means	740	....With locking means or device
integrated into one system; e.g.,	741	....Guiding means
fan with heat pipe or heat sink,	742	....With spacer
etc.	743	....Solder connection
* 679.48	744	....Cordwood type
....Fan	745	.....Welded connection
* 679.49	746	...With specific dielectric material or
.....With air flow enclosure; e.g.,	747	layer
ducts, plenums, etc.	748	..With locking means or device
* 679.5	749	..Printed circuit board
.....Plurality of air streams	750	...Flexible board
* 679.51	751	....With specific dielectric material or
....With baffle		layer
* 679.52	752	....With particular conductive material
....Heat pipe	753	or coating
* 679.53	754	...With housing or chassis
....Liquid	755	....Specific chassis or ground
* 679.54	756	....With ejector means
....Thermal conduction; e.g., heat sink	757	....Rotatable
* 679.55	758	....Guiding means
...For portable computer	759	....With particular material
* 679.56	760	....With spacer
....Handheld; e.g., PDA	761	...With lock or interlock
* 679.57		...Connection of components to board
...With security means (i.e., locking		....Component within printed circuit
structure)		board
* 679.58		
...With latching mechanism		
* 679.59		
...Handle/foot support		
* 679.6		
...For desktop computer		
* 679.61		
..CRT type		
688		
..With cooling means		
689		
..Fluid		
690		
....Air		
691		
.....Pressurized or conditioned		
692		
.....Plural Openings		
693		
.....Circular		
694		
.....With air circulating means		
695		
.....Fan or blower		
696		
.....With heat exchanger unit		
697		
.....With heat sink or cooling fins		
698		
.....And liquid		
699		
....Liquid		
700		
.....Change of physical state		
701		
....With heat exchanger unit		
702		
....With cold plate or heat sink		
703		
....With cooling fins		
704		
...Thermal conduction		
705		
....By specific coating		
706		
.....Containing silicon or aluminum		
707		
....Through support means		
708		
.....Specific chemical compound or		
element		

# Title Change  
\* Newly Established Subclass

@ Indent Change  
& Position Change



## CLASS 361 ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

JANUARY 2009

	HOUSING OR MOUNTING ASSEMBLIES WITH	814	..Radio type
	DIVERSE ELECTRICAL COMPONENTS	815	...Tube mounting
	.For electronic systems and devices	816	..Shielding
	..Printed circuit board	817	...For electronic tube
	...Connection of components to board	818	...EMI
	....Component within printed circuit	819	..For relay
	board	820	..For semiconductor device
762	....With specific dielectric material	821	..For capacitor and inductor
	or layer	822	.Contact banks
763	....Capacitor and electrical component	823	.Terminal block
764	....Integrated circuit	824	..With protective device or unit
765	....By direct coating of components on	825	.Support brackets
	board	826	.Wire distribution (e.g., harness, rack, etc.)
766	....Capacitor and resistor		
	....With mounting pad	827	..With interconnecting cable
768	....Having leadless component	828	..With switchboard or switch
769	....Having spring member	829	.Frame
770	....Having spacer	830	..With plurality of capacitors
771	....Having particular material	831	..With cooling means
772	....With specific lead configuration	832	..With switchboard or switch
773	....Shaped lead on components	833	.Fuse block
774	....Shaped lead on board	834	..Plural
775	....Busbar	835	.Fuse pullout device
776	....Flexible connecting lead	836	.For transformer
777	....By specific pattern on board	837	.For switch or fuse
778	....Cross-connected	500	ELECTROLYTIC SYSTEMS OR DEVICES
779	....With specific connection material	501	.Coulometer (i.e., electrochemical timer)
780	....Different voltage layers		
781	....With switch	502	.Double layer electrolytic capacitor
782	....Having passive component	503	.Liquid electrolytic capacitor
783	....Having semiconductive device	504	..With significant electrolyte
784	...Plural	505	...Salt solute
785	...With separable connector or socket	506	...Ethylene glycol
	means	507	...With depolarizer
786	....Having key connection	508	..Anode type electrode
787	....Having spring member	509	..Aluminum or tantalum
788	....Having backplane connection	510	..Anode riser
789	....Having flexible connector	511	..Wound
790	....Stacked	512	...With separator
791	....Multiple contact pins	513	...With mounting means (e.g., anchoring means or clamping)
792	....Plural contiguous boards		
793	....Thick film component or material	514	...With heat conductor (e.g., heat sink)
794	....Power, voltage, or current layer		
795	....Plural dielectric layers	515	...With common conductor (e.g., stripline)
796	....With housing or chassis		
797	....Storage or file cabinet	516	..Cathode type electrode (e.g., cathode casing)
798	....With ejector or extractor		
799	....Grounding Construction or Detail	517	..Casing
800	....With Shielding Structure	518	..With hermetic seal
801	....Specific latching or retaining	519	...With header, cover, or endseal
	device	520	...Significant electrical connection means (e.g., terminals or leads)
802	....Specific alignment or guide means		
803	...Interconnection details	521	...With vent means
804	...Spacer details	522	..Multiple capacitors
805	..Matrix assembly	523	.Solid electrolytic capacitor (e.g., dry electrolytic capacitor)
806	...Diode		
807	..Component mounting or support means	524	..Dielectric
808	...Mounting pad	525	..With significant electrolyte or semiconductor
809	...With discrete structure or support		
810	...Plural mounting or support	526	...Paste or gel
811	...With passive components	527	...Organic salt (e.g., TCNQ)
812	...With particular insulation		
813	..Lead frame		

# Title Change  
\* Newly Established Subclass

@ Indent Change  
& Position Change

## ELECTROLYTIC SYSTEMS OR DEVICES

- .Solid electrolytic capacitor (e.g., dry electrolytic capacitor)
- 528 ..Anode type electrode
- 529 ...Aluminum or tantalum
- 530 ...Wound
- 531 ....With lead conductor
- 532 ..Cathode type electrode
- 533 ...With significant lead
- 534 ..With protection means
- 535 ..Casing
- 536 ...With hermetic seal
- 537 ...With header, cover, or endseal
- 538 ....Significant electrical connection means (e.g., terminals or leads)
- 539 ....With potting
- 540 ..With terminal
- 541 ..Multiple capacitors
- 434 .Systems (e.g., plural cells, standby exciting voltage)
- 435 .Current interruption type (e.g., circuit breaker, D.C.-to-pulse converters)
- 436 .Rectifiers
- 437 MISCELLANEOUS

\*\*\*\*\*

## 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.

## SAFETY AND PROTECTION OF SYSTEMS AND DEVICES (361/1)

- .With specific voltage responsive fault sensor (361/88)
- FOR 100 ..Overvoltage (361/91)
- SAFETY AND PROTECTION OF SYSTEMS AND DEVICES (361/1)
- FOR 101 .With specific current responsive fault sensor (361/93)
- \* HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE ELECTRICAL COMPONENTS (361/600)
- \* FOR 102 .For electronic systems and devices (361/679)
- \* FOR 103 ..Including keyboard support (361/680)
- \* FOR 104 ..Including display support (361/681)
- \* FOR 105 ...CRT support (361/682)
- \* FOR 106 ..Computer related support (361/683)
- \* FOR 107 ...Memory unit support (361/684)
- \* FOR 108 ....Disk drive support (361/685)
- \* FOR 109 ...Input/output device support (361/686)
- \* FOR 110 ...With cooling means (361/687)

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SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

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<u>New</u> <u>Classification</u>	<u>Number</u> <u>of ORs</u>	<u>Source</u> <u>Classification</u>	<u>Number</u> <u>of ORs</u>
101/66	1	361/680	335
174/254	1	361/681	640
174/350	1	361/679	263
190/102	1	361/683	989
200/5 A	1	361/680	335
206/305	1	361/683	989
206/320	1	361/683	989
235/375	1	361/684	184
235/490	1	361/684	184
235/61 R	1	361/680	335
236/94	2	361/680	335
248/562	1	361/682	40
250/495.1	1	361/681	640
307/10.1	1	361/679	263
307/43	1	361/686	473
312/223.1	2	361/683	989
312/223.2	1	361/681	640
	5	361/683	989
312/223.3	1	361/681	640
312/263	1	361/679	263
312/265.5	1	361/679	263
313/519	1	361/681	640
324/510	1	361/681	640
337/186	1	361/679	263
340/582	1	361/679	263
340/815.51	1	361/681	640
342/357.06	1	361/683	989
345/173	1	361/681	640
345/2.1	1	361/681	640
345/59	2	361/681	640
345/74.1	1	361/681	640
345/87	1	361/683	989
348/149	1	361/681	640
348/734	1	361/679	263
348/748	1	361/682	40
348/790	1	361/681	640
348/827	1	361/681	640
348/837	1	361/681	640
348/840	1	361/681	640
360/97.02	1	361/683	989
361/523	1	361/686	473
361/601	1	361/679	263
361/605	1	361/679	263

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SOURCE CLASSIFICATION(S) OF PATENTS  
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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
361/607	1	361/679	263
361/610	1	361/683	989
361/622	1	361/679	263
	1	361/683	989
361/659	1	361/679	263
361/679.01	1	361/684	184
	2	361/686	473
	5	361/683	989
	5	361/687	562
	7	361/681	640
	8	361/680	335
	40	361/679	263
	63	361/679	263
361/679.02	1	361/680	335
	1	361/682	40
	3	361/684	184
	4	361/687	562
	9	361/685	700
	12	361/681	640
	13	361/686	473
	21	361/679	263
	44	361/683	989
361/679.03	1	361/686	473
	2	361/679	263
	3	361/680	335
	4	361/681	640
	21	361/683	989
361/679.04	5	361/683	989
	17	361/681	640
361/679.05	1	361/680	335
	4	361/683	989
	17	361/681	640
361/679.06	1	361/682	40
	3	361/680	335
	25	361/683	989
	41	361/681	640
361/679.07	1	361/680	335
	1	361/682	40
	4	361/683	989
	22	361/681	640
361/679.08	1	361/684	184
	2	361/682	40
	2	361/686	473
	5	361/687	562

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
	6	361/681	640
	13	361/679	263
	19	361/683	989
	60	361/680	335
361/679.09	2	361/686	473
	5	361/679	263
	5	361/684	184
	9	361/687	562
	18	361/680	335
	41	361/683	989
	44	361/681	640
	86	361/680	335
361/679.1	1	361/679	263
	1	361/681	640
	2	361/680	335
	2	361/686	473
	9	361/683	989
361/679.11	1	361/687	562
	2	361/681	640
	5	361/683	989
	12	361/680	335
361/679.12	1	361/683	989
	1	361/686	473
	2	361/687	562
	10	361/680	335
361/679.13	1	361/683	989
	12	361/680	335
361/679.14	1	361/683	989
	1	361/687	562
	9	361/680	335
361/679.15	2	361/683	989
	4	361/681	640
	7	361/680	335
361/679.16	5	361/680	335
361/679.17	3	361/683	989
	6	361/681	640
	12	361/680	335
361/679.18	1	361/680	335
	1	361/686	473
361/679.19	4	361/680	335
	5	361/683	989
361/679.2	18	361/680	335
361/679.21	2	361/680	335
	2	361/686	473

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
	5	361/679	263
	10	361/682	40
	14	361/687	562
	19	361/683	989
	61	361/681	640
361/679.22	1	361/682	40
	1	361/686	473
	2	361/679	263
	8	361/683	989
	31	361/681	640
361/679.23	1	361/685	700
	2	361/682	40
	7	361/679	263
	8	361/686	473
	12	361/681	640
	23	361/683	989
361/679.24	3	361/681	640
	3	361/683	989
361/679.25	1	361/679	263
	3	361/683	989
361/679.26	1	361/682	40
	3	361/680	335
	9	361/683	989
	10	361/687	562
	30	361/681	640
361/679.27	1	361/680	335
	1	361/682	40
	1	361/684	184
	1	361/685	700
	3	361/679	263
	5	361/686	473
	7	361/680	335
	12	361/687	562
	54	361/683	989
	94	361/681	640
	109	361/681	640
361/679.28	3	361/680	335
	5	361/683	989
	13	361/681	640
361/679.29	2	361/683	989
	4	361/686	473
	11	361/681	640
361/679.3	1	361/679	263
	2	361/686	473

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
	6	361/680	335
	18	361/681	640
	21	361/683	989
361/679.31	1	361/681	640
	2	361/686	473
	3	361/684	184
	5	361/679	263
	6	361/687	562
	15	361/683	989
	54	361/684	184
	84	361/685	700
361/679.32	2	361/679	263
	2	361/681	640
	8	361/684	184
	26	361/683	989
	44	361/685	700
	54	361/684	184
	62	361/686	473
361/679.33	1	361/681	640
	1	361/682	40
	6	361/679	263
	6	361/684	184
	8	361/686	473
	27	361/683	989
	35	361/687	562
	122	361/685	700
	196	361/685	700
361/679.34	1	361/680	335
	1	361/681	640
	1	361/686	473
	1	361/687	562
	2	361/679	263
	5	361/683	989
	67	361/685	700
361/679.35	2	361/686	473
	3	361/683	989
	19	361/685	700
361/679.36	1	361/680	335
	2	361/683	989
	16	361/685	700
361/679.37	1	361/684	184
	1	361/687	562
	2	361/679	263
	5	361/686	473

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
	9	361/683	989
	36	361/685	700
361/679.38	1	361/686	473
	3	361/683	989
	5	361/684	184
	10	361/685	700
361/679.39	1	361/679	263
	1	361/687	562
	3	361/686	473
	5	361/683	989
	36	361/685	700
361/679.4	3	361/680	335
	6	361/687	562
	9	361/679	263
	10	361/685	700
	14	361/684	184
	21	361/683	989
	57	361/686	473
361/679.41	1	361/679	263
	1	361/685	700
	2	361/680	335
	5	361/681	640
	5	361/684	184
	6	361/687	562
	27	361/683	989
	45	361/686	473
	90	361/686	473
361/679.42	1	361/683	989
	8	361/686	473
361/679.43	1	361/683	989
	2	361/684	184
	3	361/685	700
	57	361/686	473
361/679.44	4	361/681	640
	4	361/683	989
	14	361/686	473
361/679.45	1	361/681	640
	1	361/683	989
	8	361/686	473
361/679.46	1	361/680	335
	2	361/679	263
	2	361/683	989
	2	361/685	700
	3	361/681	640



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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
	57	361/687	562
361/679.47	1	361/685	700
	4	361/679	263
	5	361/683	989
	87	361/687	562
361/679.48	2	361/681	640
	2	361/685	700
	2	361/686	473
	3	361/683	989
	66	361/687	562
	99	361/687	562
361/679.49	1	361/685	700
	1	361/686	473
	2	361/683	989
	21	361/687	562
361/679.5	1	361/683	989
	10	361/687	562
361/679.51	10	361/687	562
361/679.52	1	361/683	989
	27	361/687	562
361/679.53	1	361/679	263
	1	361/686	473
	10	361/687	562
361/679.54	1	361/679	263
	1	361/685	700
	2	361/684	184
	3	361/681	640
	51	361/687	562
361/679.55	1	361/684	184
	2	361/685	700
	2	361/687	562
	6	361/679	263
	7	361/681	640
	14	361/680	335
	15	361/686	473
	111	361/683	989
	117	361/683	989
361/679.56	1	361/687	562
	2	361/684	184
	3	361/681	640
	4	361/679	263
	5	361/680	335
	11	361/686	473
	25	361/683	989

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
361/679.57	1	361/680	335
	1	361/684	184
	4	361/681	640
	7	361/685	700
	8	361/679	263
	15	361/686	473
	27	361/683	989
	361/679.58	1	361/679
361/679.58	2	361/680	335
	2	361/687	562
	3	361/681	640
	5	361/684	184
	5	361/686	473
	19	361/685	700
	74	361/683	989
	361/679.59	2	361/681
361/679.59	22	361/683	989
	361/679.6	2	361/680
361/679.6	3	361/684	184
	5	361/685	700
	8	361/686	473
	9	361/681	640
	57	361/683	989
	361/679.61	1	361/679
361/679.61	1	361/682	40
	16	361/682	40
	361/724	1	361/679
361/724	3	361/683	989
	361/727	1	361/685
361/727	2	361/683	989
	3	361/679	263
	361/728	3	361/679
361/729	2	361/683	989
361/730	1	361/683	989
361/730	1	361/685	700
	361/732	1	361/683
361/736	1	361/686	473
361/736	2	361/679	263
	361/737	1	361/683
361/740	2	361/684	184
361/741	2	361/683	989
361/747	1	361/681	640
361/748	2	361/683	989
361/752	1	361/685	700

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Generated by Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
	1	361/686	473
	4	361/679	263
	5	361/683	989
361/753	1	361/683	989
361/756	1	361/684	184
	2	361/683	989
361/760	1	361/683	989
361/761	1	361/679	263
361/776	1	361/683	989
361/784	1	361/683	989
361/785	2	361/683	989
361/788	1	361/683	989
	1	361/684	184
361/796	1	361/683	989
361/800	1	361/685	700
361/801	1	361/679	263
361/805	1	361/680	335
361/807	1	361/683	989
	1	361/685	700
	3	361/679	263
361/816	1	361/679	263
361/818	1	361/683	989
	1	361/684	184
361/820	1	361/681	640
	2	361/679	263
361/829	1	361/686	473
368/241	1	361/681	640
370/254	1	361/686	473
379/102.01	1	361/683	989
379/29.1	1	361/681	640
403/280	1	361/679	263
417/44.1	1	361/683	989
439/31	1	361/680	335
439/51	1	361/679	263
439/581	1	361/679	263
439/65	1	361/679	263
439/736	1	361/679	263
439/95	1	361/679	263
455/347	1	361/683	989
	4	361/679	263
455/575.1	1	361/681	640
600/300	1	361/681	640
600/301	1	361/683	989

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SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
606/46	1	361/681	640
708/142	1	361/680	335

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DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
361/679	263	174/350	1
		307/10.1	1
		312/263	1
		312/265.5	1
		337/186	1
		340/582	1
		348/734	1
		361/601	1
		361/605	1
		361/607	1
		361/622	1
		361/659	1
		361/724	1
		361/727	3
		361/728	3
		361/736	2
		361/752	4
		361/761	1
		361/801	1
		361/807	3
		361/816	1
		361/820	2
		361/679.1	1
		361/679.3	1
		361/679.4	9
		361/679.01	40
		361/679.01	63
		361/679.02	21
		361/679.03	2
		361/679.08	13
		361/679.09	5
		361/679.21	5
		361/679.22	2
		361/679.23	7
		361/679.25	1
		361/679.27	3
		361/679.31	5
		361/679.32	2
		361/679.33	6
		361/679.34	2
		361/679.37	2
		361/679.39	1
		361/679.41	1

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Generated by Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/679.46	2
		361/679.47	4
		361/679.53	1
		361/679.54	1
		361/679.55	6
		361/679.56	4
		361/679.57	8
		361/679.58	1
		361/679.61	1
		403/280	1
		439/51	1
		439/65	1
		439/95	1
		439/581	1
		439/736	1
		455/347	4
361/680	335	101/66	1
		200/5 A	1
		235/61 R	1
		236/94	2
		361/805	1
		361/679.1	2
		361/679.2	18
		361/679.3	6
		361/679.4	3
		361/679.6	2
		361/679.01	8
		361/679.02	1
		361/679.03	3
		361/679.05	1
		361/679.06	3
		361/679.07	1
		361/679.08	60
		361/679.09	18
		361/679.09	86
		361/679.11	12
		361/679.12	10
		361/679.13	12
		361/679.14	9
		361/679.15	7
		361/679.16	5
		361/679.17	12
		361/679.18	1
		361/679.19	4
		361/679.21	2

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<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/679.26	3
		361/679.27	1
		361/679.27	7
		361/679.28	3
		361/679.34	1
		361/679.36	1
		361/679.41	2
		361/679.46	1
		361/679.55	14
		361/679.56	5
		361/679.57	1
		361/679.58	2
		439/31	1
		708/142	1
361/681	640	174/254	1
		250/495.1	1
		312/223.2	1
		312/223.3	1
		313/519	1
		324/510	1
		340/815.51	1
		345/59	2
		345/173	1
		345/2.1	1
		345/74.1	1
		348/149	1
		348/790	1
		348/827	1
		348/837	1
		348/840	1
		361/747	1
		361/820	1
		361/679.1	1
		361/679.3	18
		361/679.6	9
		361/679.01	7
		361/679.02	12
		361/679.03	4
		361/679.04	17
		361/679.05	17
		361/679.06	41
		361/679.07	22
		361/679.08	6
		361/679.09	44
		361/679.11	2

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DISPOSITION CLASSIFICATION(S) OF PATENTS  
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Generated by Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/679.15	4
		361/679.17	6
		361/679.21	61
		361/679.22	31
		361/679.23	12
		361/679.24	3
		361/679.26	30
		361/679.27	94
		361/679.27	109
		361/679.28	13
		361/679.29	11
		361/679.31	1
		361/679.32	2
		361/679.33	1
		361/679.34	1
		361/679.41	5
		361/679.44	4
		361/679.45	1
		361/679.46	3
		361/679.48	2
		361/679.54	3
		361/679.55	7
		361/679.56	3
		361/679.57	4
		361/679.58	3
		361/679.59	2
		368/241	1
		379/29.1	1
		455/575.1	1
		600/300	1
		606/46	1
361/682	40	248/562	1
		348/748	1
		361/679.02	1
		361/679.06	1
		361/679.07	1
		361/679.08	2
		361/679.21	10
		361/679.22	1
		361/679.23	2
		361/679.26	1
		361/679.27	1
		361/679.33	1
		361/679.61	1
		361/679.61	16



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DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
361/683	989	190/102	1
		206/305	1
		206/320	1
		312/223.1	2
		312/223.2	5
		342/357.06	1
		345/87	1
		360/97.02	1
		361/610	1
		361/622	1
		361/724	3
		361/727	2
		361/729	2
		361/730	1
		361/732	1
		361/737	1
		361/741	2
		361/748	2
		361/752	5
		361/753	1
		361/756	2
		361/760	1
		361/776	1
		361/784	1
		361/785	2
		361/788	1
		361/796	1
		361/807	1
		361/818	1
		361/679.1	9
		361/679.3	21
		361/679.4	21
		361/679.5	1
		361/679.6	57
		361/679.01	5
		361/679.02	44
		361/679.03	21
		361/679.04	5
		361/679.05	4
		361/679.06	25
		361/679.07	4
		361/679.08	19
		361/679.09	41
		361/679.11	5
		361/679.12	1

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<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/679.13	1
		361/679.14	1
		361/679.15	2
		361/679.17	3
		361/679.19	5
		361/679.21	19
		361/679.22	8
		361/679.23	23
		361/679.24	3
		361/679.25	3
		361/679.26	9
		361/679.27	54
		361/679.28	5
		361/679.29	2
		361/679.31	15
		361/679.32	26
		361/679.33	27
		361/679.34	5
		361/679.35	3
		361/679.36	2
		361/679.37	9
		361/679.38	3
		361/679.39	5
		361/679.41	27
		361/679.42	1
		361/679.43	1
		361/679.44	4
		361/679.45	1
		361/679.46	2
		361/679.47	5
		361/679.48	3
		361/679.49	2
		361/679.52	1
		361/679.55	111
		361/679.55	117
		361/679.56	25
		361/679.57	27
		361/679.58	74
		361/679.59	22
		379/102.01	1
		417/44.1	1
		455/347	1
		600/301	1
361/684	184	235/375	1
		235/490	1

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DISPOSITION CLASSIFICATION(S) OF PATENTS  
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<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/740	2
		361/756	1
		361/788	1
		361/818	1
		361/679.4	14
		361/679.6	3
		361/679.01	1
		361/679.02	3
		361/679.08	1
		361/679.09	5
		361/679.27	1
		361/679.31	3
		361/679.31	54
		361/679.32	8
		361/679.32	54
		361/679.33	6
		361/679.37	1
		361/679.38	5
		361/679.41	5
		361/679.43	2
		361/679.54	2
		361/679.55	1
		361/679.56	2
		361/679.57	1
		361/679.58	5
361/685	700	361/727	1
		361/730	1
		361/752	1
		361/800	1
		361/807	1
		361/679.4	10
		361/679.6	5
		361/679.02	9
		361/679.23	1
		361/679.27	1
		361/679.31	84
		361/679.32	44
		361/679.33	122
		361/679.33	196
		361/679.34	67
		361/679.35	19
		361/679.36	16
		361/679.37	36
		361/679.38	10
		361/679.39	36

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DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/679.41	1
		361/679.43	3
		361/679.46	2
		361/679.47	1
		361/679.48	2
		361/679.49	1
		361/679.54	1
		361/679.55	2
		361/679.57	7
		361/679.58	19
361/686	473	307/43	1
		361/523	1
		361/736	1
		361/752	1
		361/829	1
		361/679.1	2
		361/679.3	2
		361/679.4	57
		361/679.6	8
		361/679.01	2
		361/679.02	13
		361/679.03	1
		361/679.08	2
		361/679.09	2
		361/679.12	1
		361/679.18	1
		361/679.21	2
		361/679.22	1
		361/679.23	8
		361/679.27	5
		361/679.29	4
		361/679.31	2
		361/679.32	62
		361/679.33	8
		361/679.34	1
		361/679.35	2
		361/679.37	5
		361/679.38	1
		361/679.39	3
		361/679.41	45
		361/679.41	90
		361/679.42	8
		361/679.43	57
		361/679.44	14
		361/679.45	8

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FROM ABOLISHED SUBCLASSES REPORT

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<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
		361/679.48	2
		361/679.49	1
		361/679.53	1
		361/679.55	15
		361/679.56	11
		361/679.57	15
		361/679.58	5
		370/254	1
361/687	562	361/679.4	6
		361/679.5	10
		361/679.01	5
		361/679.02	4
		361/679.08	5
		361/679.09	9
		361/679.11	1
		361/679.12	2
		361/679.14	1
		361/679.21	14
		361/679.26	10
		361/679.27	12
		361/679.31	6
		361/679.33	35
		361/679.34	1
		361/679.37	1
		361/679.39	1
		361/679.41	6
		361/679.46	57
		361/679.47	87
		361/679.48	66
		361/679.48	99
		361/679.49	21
		361/679.51	10
		361/679.52	27
		361/679.53	10
		361/679.54	51
		361/679.55	2
		361/679.56	1
		361/679.58	2

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DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

<u>Source</u> <u>Classification</u>	<u>Number</u> <u>of ORs</u>	<u>New</u> <u>Classification</u>	<u>Number</u> <u>of ORs</u>
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C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE

<u>Class</u>	<u>U.S.</u>	<u>Subclass</u>	<u>I.P.C.</u>	<u>Notation</u>
361		679.01	H05K	5/00 7/00
		679.02-679.45	G06F H05K	1/16 5/00 7/00
		679.46-679.54	G06F H05K H05K	1/20 5/00 7/20
		679.55-679.61	G06F H05K H05K	1/16 5/00 7/00

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D. CHANGES TO THE DEFINITIONS

CLASS 174 – ELECTRICITY: CONDUCTORS AND INSULATORS

Definitions Modified:

Subclass 547: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclass 676 for cooling means in a power distribution system and devices, subclasses 679.46-679.54 for computer support equipment with cooling means, subclasses 688-723 for cooling means with electronic apparatus, subclass 702 for electronic system with liquid cooling means and heat sinks, and subclass 709 for thermal conduction through support means having heat sinks.



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D. CHANGES TO THE DEFINITIONS

CLASS 257 – ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclass 2 for solid-state switch type arc suppressors; subclasses 98, 100, and 101 for current fault responsive sensors involving semiconductor active solid-state devices; subclasses 196+ for semiconductor time delay devices; subclass 205 for threshold devices including SCR thyatrons; subclasses 275.1+ for electrical, e.g., fuse element for electrolytic capacitors; subclasses 277+ for variable capacitor not involving active solid-state devices; subclasses 525 for solid electrolytic capacitors with significant semiconductor; subclasses 679.01-679.61 for cooling devices, housings, supports, electrical contacts, etc., for diverse electrical components; subclass 421 for lead frames; and subclasses 523+ for solid electrolytic capacitors. (class employing active solid-state devices in electronic circuits. See Lines With Other Classes and Within This Class, A, above)

Subclass 678: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems or Devices, subclass 679.01 for housings and mounting assemblies for electronic devices and components.

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D. CHANGES TO THE DEFINITIONS

Subclass 787: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 600 and 679.01 for enclosures, including encapsulated types, for electrical and electronic devices.

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PROJECT E-6066

D. CHANGES TO THE DEFINITIONS

CLASS 330 – AMPLIFIERS

Definitions Modified:

Subclass 65: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 271+ for capacitor structure, subclasses 600+ for housing and mounting assemblies with plural diverse electrical components, subclass 679.01 for electronic systems and devices, subclasses 679.02-679.61 for computer related housing or mounting assemblies, and subclasses 500+ for electrolytic capacitors.

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PROJECT E-6066

D. CHANGES TO THE DEFINITIONS

CLASS 331 – OSCILLATORS

Definitions Modified:

Subclass 187: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.01 for structural arrangements of diverse electronic or radio type devices not provided for in any other class or in other subclasses of Class 361.

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D. CHANGES TO THE DEFINITIONS

CLASS 340 – COMMUNICATIONS: ELECTRICAL

Definitions Modified:

Subclass 693.5: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclass 679.01 for electronic systems or devices housing or mounting assemblies, and subclasses 679.02-679.61 for computer related housing or mounting assemblies.

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D. CHANGES TO THE DEFINITIONS

CLASS 349 – LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.21-679.3 for computer related housing or mounting assemblies with display support, and subclasses 789+ for the use of flexible circuits.

Subclass 58: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.21-679.3 for computer related housing or mounting assemblies with display support.

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PROJECT E-6066

D. CHANGES TO THE DEFINITIONS

CLASS 358 – FACSIMILE AND STATIC PRESENTATION PROCESSING

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.01-821 for housing or mounting assemblies for electronic systems and devices.

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PROJECT E-6066

D. CHANGES TO THE DEFINITIONS

CLASS 361 – ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

Definitions Abolished:

Subclasses:

679 – 687

Definitions Modified:

Subclass 676: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The entire reference to subclass 687

Insert:

679.46, thru 679.54 for computer support equipment with cooling means.

Subclass 688: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter wherein the electronic system or device comprises means for dissipating heat from electronic components.

Subclass 724: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter comprising a box or housing having drawers or doors with structure to support readily accessible electrical components.



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D. CHANGES TO THE DEFINITIONSSubclass 728: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter wherein the electrical components are separately housed in a container or supported in a unit or packaging scheme displaying regularity and separable repetition.

Subclass 748: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter comprising an insulating panel wherein conductors are applied thereto by coating, laminating, or bonding in such a manner that the conductors are permanently attached to the panel.

Subclass 805: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter comprising a plurality of diverse electrical components connected by crossed gratings and located at intersections of conductors.

Subclass 807: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter wherein an upholding structure or chassis is utilized to hold a plurality of diverse electrical components in an interconnected relationship.

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D. CHANGES TO THE DEFINITIONSSubclass 813: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter wherein a metal skeletal structure is utilized to support a plurality of diverse electrical components, portions of a metal skeletal structure being removed to provide connecting paths.

Subclass 814: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter comprising communication type devices having no significant art limitations and such devices in combination with diverse pieces of electrical apparatus wherein the combination is not provided for in any other class or in other subclasses of this class.

Subclass 816: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter wherein the electronic systems and devices are provided: (a) With means for protecting at least part of the devices from external electric or magnetic fields; (b) with means to protect one or more elements of the device from electric or magnetic fields generated in one or more other parts of the system; or (c) with protecting or screening means to prevent radiation of undesired electric or magnetic fields generated within the system.

Subclass 819: Delete:

The entire subclass definition

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D. CHANGES TO THE DEFINITIONSInsert:

This subclass is indented under subclass 679.01. Subject matter comprising a support or housing for an electromechanical device in which contacts are opened or closed by variations in conditions of one electric circuit and thereby affect operation of other devices in the same or other electric circuits.

Subclass 820: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter comprising a support or housing for at least an active solid state device.

Subclass 821: Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 679.01. Subject matter comprising a support or housing for at least a device consisting essentially of two conducting surfaces separated by an insulating material or dielectric such as air, paper, mica, glass, plastic film, or oil, and at least one retardation coil.

Definitions Established:**679.01 For electronic systems and devices:**

This subclass is indented under subclass 600. Subject matter comprising housing or mounting assemblies specifically for electronic systems and devices not provided for elsewhere.

**679.02 Computer related housing or mounting assemblies:**

This subclass is indented under subclass 679.01. Subject matter comprising means for housing or mounting a computer or computer component.

- (1) Note. This subclass and the subclasses indented under it provide for housing and mounting assemblies for which the computer or its components are only nominally recited.

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D. CHANGES TO THE DEFINITIONS

- (2) Note. A computer component may be, for example, a central processing unit (e.g., motherboard), input device (e.g., keyboard), output device (e.g., display), or memory (e.g., disk drive).

**679.03 Wearable computer structure:**

This subclass is indented under subclass 679.02. Subject matter including means to attach a computer or computer component to the hand, arm or other portion of a user's body.

**679.04 Plural independently movable displays:**

This subclass is indented under subclass 679.02. Subject matter having two or more visual output devices of a computer which are repositionable or reorientable with respect to one another.

**679.05 Telescoping display:**

This subclass is indented under subclass 679.02. Subject matter wherein a visual output device of a computer is supported by linearly extensible means.

**679.06 Display rotatable about plural axes:**

This subclass is indented under subclass 679.02. Subject matter wherein a visual output device of a computer is angularly movable relative to its supporting structure about two or more axes.

- (1) Note. The display may be rotated from an out-of-use position to an in-use position, or it may be rotated from one in-use position to another.

**679.07 About perpendicular axes:**

This subclass is indented under subclass 679.05. Subject matter wherein at least two of the plural axes intersect at right angles.

**679.08 For computer keyboard:**

This subclass is indented under subclass 679.02. Subject matter comprising housing or mounting assemblies for input means consisting of a plurality of user actuable alphanumeric or operational keys.

**679.09 Portable computer type:**

This subclass is indented under subclass 679.08. Subject matter wherein the keyboard is structurally connected to a computer that may be supported by a user while in use.

- (1) Note. Desktop-type computers that are referred to as "portable computers" but which are not supported by the user when in use are not classifiable in this subclass or its indents.

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D. CHANGES TO THE DEFINITIONS

- (2) Note. This subclass and its indents provide for combinations of keyboard and display housings or mounting assemblies only if details of the structural relationship of the keyboard to its housing or mounting assembly is recited. Such combinations wherein no details are recited of the structural relationship of the keyboard to its housing or mounting assembly, i.e., wherein the relationship is only nominally recited, are classified elsewhere.

SEE OR SEARCH THIS CLASS, SUBCLASS:

679.27, for laptop computer display with keyboard wherein the housing or mounting assembly of the keyboard are nominally recited.

**679.1 Integrated pointing device; e.g. trackball, joystick:**

This subclass is indented under subclass 679.09. Subject matter wherein the keyboard supports a means manipulable in diverse directions by the user to control the position of a cursor on a display screen.

- (1) Note. A trackball includes a spherical member that is rolled against the hand to place the cursor.
- (2) Note. A joystick includes a stick type control device that pivots in all directions.

**679.11 Adjustable keyboard:**

This subclass is indented subclass 679.09. Subject matter wherein the keyboard or a section thereof may be physically moved to alternate positions.

**679.12 Tilttable:**

This subclass is indented under subclass 679.11. Subject matter wherein the entire keyboard is angularly adjustable to more than one operable position relative to a horizontal plane.

**679.13 Collapsible key type:**

This subclass is indented under subclass 679.11. Subject matter in which the computer or keyboard housing or mounting assembly includes means to depress at least one key.

**679.14 Split keyboard:**

This subclass is indented under subclass 679.11. Subject matter in which the keyboard consists of at least two coplanar sections one of which is movable with respect to the other in the same plane.

- (1) Note. The movable section may be moved linearly or rotatably in the same plane with respect to the other portion.

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D. CHANGES TO THE DEFINITIONS**679.15 Foldable keyboard:**

This subclass is indented under subclass 679.11. Subject matter in which a section of the keyboard is rotatable into a compact position with respect to another keyboard section.

**679.16 Plural foldable sections:**

This subclass is indented under subclass 679.15. Subject matter having two or more keyboard sections rotatable into a compact position with respect to another keyboard section.

**679.17 Detachable keyboard:**

This subclass is indented under subclass 679.11. Subject matter wherein the keyboard is structurally separable or liftable from the body of the computer housing or mounting assembly.

**679.18 Integrated pointing device; e.g. trackball, joystick, etc.:**

This subclass is indented under subclass 679.08. Subject matter wherein the keyboard supports a means manipulable in diverse directions by the user to control the position of a cursor on a display screen.

- (1) Note. A trackball includes a spherical member that is rolled against the hand to place the cursor.
- (2) Note. A joystick includes a stick type control device that pivots in all directions.

**679.19 Hand, wrist or palm rest:**

This subclass is indented under subclass 679.08. Subject matter comprising means to elevate or support the weight of the user's hand or forearm during keyboard operations.

**679.2 Adjustable:**

This subclass is indented under subclass 679.08. Subject matter wherein the keyboard or a section thereof may be physically moved to alternate positions.

**679.21 For computer display:**

This subclass is indented under subclass 679.02. Subject matter comprising housing or mounting assemblies for the visual output device of a computer.

**679.22 Desktop type:**

This subclass is indented under subclass 679.21. Subject matter wherein the display housing is structurally separate from the rest of the computer and is designed to be placed upon a desk or other work surface.

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D. CHANGES TO THE DEFINITIONS**679.23 With support for multimedia device; e.g. speaker, camera, microphone:**

This subclass is indented under subclass 679.22. Subject matter wherein the display housing includes means to mount audio output means or video or audio input means.

**679.24 With support for light protective shield:**

This subclass is indented under subclass 679.22. Subject matter wherein the display housing includes means to mount a device to prevent ambient light from reflecting off the display screen.

**679.25 With document holder:**

This subclass is indented under subclass 679.22. Subject matter wherein the display housing includes means to support a page of text or graphics.

**679.26 Portable computer type:**

This subclass is indented under subclass 679.21. Subject matter wherein the display is structurally connected to a computer that may be supported by a user while in use.

**679.27 Hinged or folding display; e.g., laptop computer display:**

This subclass is indented under subclass 679.26. Subject matter wherein the computer display is rotatable with respect to the rest of the computer housing or mounting assembly.

**679.28 Electrically connected through hinge means:**

This subclass is indented under subclass 679.27. Subject matter wherein a means structurally connecting the display to the rest of the computer for relative rotation also houses or supports an electrical connection between the display and the rest of the computer.

**679.29 Removable display:**

This subclass is indented under subclass 679.27. Subject matter wherein the display is separable by the user from the rest of the computer.

**679.3 Handheld computer; e.g., personal digital assistant (PDA):**

This subclass is indented under subclass 679.26. Subject matter wherein the computer is small enough to be placed and used in the human hand.

**679.31 For computer memory unit:**

This subclass is indented under subclass 679.02. Subject matter comprising housing or mounting assemblies for devices which electronically store information written to them, or read from them, by a computer.

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D. CHANGES TO THE DEFINITIONS

- (1) Note. Memory units; i.e., devices for electronically storing information, covered by this subclass typically include their own casings. Thus, the housings or mounting assemblies of this subclass type actually house or mount memory units including their casings.

**679.32 Expansion module type:**

This subclass is indented under subclass 679.31. Subject matter comprising housing or mounting assemblies that are plugged into a computer to add extra memory and one or more functions or resources to the computer.

- (1) Note. Modules of this subclass type are typically comprised of a printed circuit board and a carrier therefor.

**679.33 Disk drive type:**

This subclass is indented under subclass 679.31. Subject matter comprising housing or mount assemblies for memory units consisting of means to rotate a storage disk and a read/write head to read information from, or to write information, the disk.

**679.34 External shock mounting/vibration damping:**

This subclass is indented under subclass 679.33. Subject matter wherein the housing or mounting assembly includes means to absorb mechanical pulses or waves transmitted between it and the memory unit.

**679.35 Spring:**

This subclass is indented under subclass 679.34. Subject matter wherein the shock or vibration damping means is a resiliently bendable or twistable element.

**679.36 Elastomeric:**

This subclass is indented under subclass 679.34. Subject matter wherein the shock or vibration damping means is made of a resiliently compressible material.

**679.37 Removable disk drive support:**

This subclass is indented under subclass 679.33. Subject matter wherein the disk drive housing or mounting means is itself detachably mounted in a housing.

**679.38 Ejectable:**

This subclass is indented under subclass 679.33. Subject matter wherein the housing or mounting means includes means to force the disk drive from it.



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D. CHANGES TO THE DEFINITIONS**679.39 Slidable:**

This subclass is indented under subclass 679.33. Subject matter wherein the housing or mounting means includes passive means cooperating with the disk drive to guide its movement into or out of operable position.

**679.4 For input/output device:**

This subclass is indented under subclass 679.02. Subject matter comprising a housing or mounting assembly for a device which passes data to and from a computer or computer component.

**679.41 Expansion/docking station:**

This subclass is indented under subclass 679.4. Subject matter comprising a housing or mounting assembly for supporting a portable computer and having electrical connection means connectible to the portable computer.

**679.42 Motorized:**

This subclass is indented under subclass 679.41. Subject matter having electrical drive means for moving the portable computer into or on the expansion/docking station.

**679.43 Latching:**

This subclass is indented under subclass 679.41. Subject matter comprising means to secure the portable computer to the expansion/docking station.

**679.44 Adjustable:**

This subclass is indented under subclass 679.41. Subject matter wherein the housing or mounting assembly includes means for supporting the portable computer in more than one position.

**679.45 Port replicator:**

This subclass is indented under subclass 679.4. Subject matter comprising a housing or mounting assembly having a single connector connectible to a portable computer and at least one other connector duplicating another connector on the computer.

**679.46 With cooling means:**

This subclass is indented under subclass 679.02. Subject matter wherein the housing or mounting assembly includes means for dissipating heat from the computer or computer component.

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D. CHANGES TO THE DEFINITIONS**679.47 Plural diverse cooling means integrated into one system; e.g. fan with heat pipe or heat sink, etc.:**

This subclass is indented under subclass 679.46. Subject matter including two or more cooperative means utilizing different types of media for dissipating heat.

- (1) Note. Types of media utilized in the subject matter of this subclass may include gas (e.g., air), liquid and solid heat conducting or conveying means.
- (2) Note. The heat dissipated by the two or more media provided for by this subclass must be more than merely incidental to some other non-cooling function they may perform. For example, a metal conduit which may incidentally irradiate heat from a heat transporting fluid inside it is not classifiable in this subclass. However, if the conduit is disclosed as radiating heat from the fluid medium, classification is proper for this subclass.

**679.48 Fan:**

This subclass is indented under subclass 679.46. Subject matter wherein the cooling means includes means to move air in or around the computer or computer component comprising a series of blades and means to rotate them about an axis.

**679.49 With air flow enclosure; e.g., ducts, plenums, etc.:**

This subclass is indented under subclass 679.48. Subject matter having containment means radially surrounding at least a portion of the flow of air from the fan.

**679.5 Plurality of air streams:**

Subject matter under subclass 679.49. Subject matter wherein the enclosure defines two or more paths for air from the fan.

**679.51 With baffle:**

This subclass is indented under subclass 679.48. Subject matter including a deflector to change the direction of the air from the fan.

**679.52 Heat pipe:**

This subclass is indented under subclass 679.46. Subject matter including an elongated sealed enclosure containing a fluid in a wick in contact with the enclosure whereby heat conducted to one part of the enclosure converts the fluid to a vapor which is converted back to a fluid in another part of the enclosure where the heat is dissipated, the fluid then being reabsorbed by the wick.

**679.53 Liquid:**

This subclass is indented under subclass 679.46. Subject matter wherein heat is absorbed by a fluid material.

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D. CHANGES TO THE DEFINITIONS**679.54 Thermal conduction, e.g. heat sink:**

This subclass is indented under subclass 679.46. Subject matter wherein a solid material absorbs and disperses heat from the computer or computer component.

**679.55 For portable computer:**

This subclass is indented under subclass 679.02. Subject matter comprising means for housing or mounting a microcomputer that is small enough for use on a user's lap, and folds into a compact position for carrying.

- (1) Note. Desktop-type computers that are referred to as "portable computers" but which are not supported by the user when in use are not classifiable in this subclass or its indents.

**679.56 Handheld; e.g. PDA:**

This subclass is indented under subclass 679.55. Subject matter wherein the computer is small enough to be placed and used in the human hand.

**679.57 With security means (i.e., locking structure):**

This subclass is indented under subclass 679.02. Subject matter comprising means mounted on, or engageable with, a computer or computer component housing or mounting assembly to prevent unauthorized removal of, or tampering with, the computer or computer component.

**679.58 With latching mechanism:**

This subclass is indented under subclass 679.02. Subject matter comprising means to selectively fasten one part of a computer or computer component housing or mounting assembly to another part of the same, or another, housing or mounting assembly.

**679.59 Handle/foot support:**

This subclass is indented under subclass 679.02. Subject matter comprising a carrying member or a support brace that extends from the body of the computer or computer component.

**679.6 For desktop computer:**

This subclass is indented under subclass 679.02. Subject matter comprising a housing or mounting assembly for a computer that may be supported by a table or desktop when in use but is too large or heavy to be supported by a user when in use.

**679.61 CRT type:**

This subclass is indented under subclass 679.01. Subject matter comprising a housing or mounting assembly for a cathode ray tube.

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D. CHANGES TO THE DEFINITIONS**FOREIGN ART COLLECTIONS**

The definitions below correspond to abolished subclasses from which these collections were formed. See the Foreign Art Collection schedule of this class for specific correspondences. [Note: The titles and definitions for *indented* art collections include all the details of the one(s) that are hierarchically superior.]

**FOR 102 For electronic systems and devices:**

Foreign art collection for subject matter wherein the comprising housings or mounting assemblies specifically for electronic systems and devices not provided for elsewhere.

- (1) Note. Support equipment and housings for disk drives, keyboards, display units and cathode-ray tubes (CRTs) without structural detail or particular equipment description for disk drive, keyboard, display unit, or CRT will be classified in this subclass.

**FOR 103 Including keyboard support:**

Foreign art collection for subject wherein (a) at least one electronic device is a portion of a terminal used to generate a character stream to a computer or other communication device combined with housing or mounting arrangement or (b) at least one electronic device has key input means combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of a keyboard.

**FOR 104 Including display support:**

Foreign art collection for subject matter wherein at least one electronic device presents information in visual form combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of a display.

**FOR 105 CRT support:**

Foreign art collection for subject matter wherein at least one electronic device is a vacuum tube in which its electron beam can be focused to a small cross section on a luminescent screen and can be varied in position and intensity to produce a visible pattern combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of a CRT.

**FOR 106 Computer related support:**

Foreign art collection for subject matter wherein (a) at least one electronic device is a data processor or calculator combined with housing or mounting

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D. CHANGES TO THE DEFINITIONS

arrangement or (b) at least one electronic device is a component of a data processor or calculator combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of computer or computer component.

**FOR 107 Memory unit support:**

Foreign art collection for subject matter wherein at least one electronic device is a computer component that stores information combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of memory unit.

**FOR 108 Disk drive support:**

Foreign art collection for subject matter wherein at least one electronic component is a device that rotates a storage medium, writes data onto it, and reads data from it as instructed by a program combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of a disk drive unit.

**FOR 109 Input/output device support:**

Foreign art collection for subject matter wherein at least one electronic component (a) provides a means of communication between the computer and other electrical equipment or (b) provides a means of communication between two or more computers, combined with housing or mounting arrangement.

- (1) Note. This subclass provides for only nominal recitation of an input-output device.

**FOR 110 With cooling means:**

Foreign art collection for subject matter wherein the computer related support equipment includes means for dissipating heat from computer components.

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D. CHANGES TO THE DEFINITIONS

CLASS 399 – ELECTROPHOTOGRAPHY

Definitions Modified:

Subclass 81: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.21-679.3 for computer related housing or mounting assemblies with display support.

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D. CHANGES TO THE DEFINITIONS

CLASS 438 – SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.01-679.61 for housings and mounting assemblies for electronic devices and components, and subclasses 736+ and 752+ for modules for printed circuits or housing or chassis for printed circuit boards. (electrical class).

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D. CHANGES TO THE DEFINITIONS

CLASS 463 – AMUSEMENT DEVICES: GAMES

Definitions Modified:

Subclass 46: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 600+ for a housing for diverse electrical components, especially subclasses subclasses 679.01-679.61 for housings and mounting assemblies for electronic devices and components.



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D. CHANGES TO THE DEFINITIONS

CLASS 708 – ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND  
CALCULATING

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.08-679.2  
for computer related housing or mounting assemblies with keyboard  
support.

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D. CHANGES TO THE DEFINITIONS

CLASS 709 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
MULTICOMPUTER DATA TRANSFERRING

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclass 679.02-679.61 for housings or mounting assemblies for computers, digital data processing systems, calculators, or components thereof.

Subclass 200: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.02-679.61 for housings or mounting assemblies for computers, digital data processing systems, calculators, or components thereof.

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D. CHANGES TO THE DEFINITIONS

CLASS 710 – ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING  
SYSTEMS: INPUT/OUTPUT

Definitions Modified:

Subclass 303: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.02-679.61  
for housings or mounting assemblies for computers, digital data  
processing systems, calculators, or components thereof.

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D. CHANGES TO THE DEFINITIONS

CLASS 711 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
MEMORY

Definitions Modified:

Class Definition: Under REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.31-679.39  
for computer storage component combined with housing or mounting  
arrangement having no data processing or calculating procedures.

Subclass 100: Under SEE OR SEARCH CLASS

Delete:

The entire reference to subclass 361

Insert:

361, Electricity: Electrical Systems and Devices, subclasses 679.31-679.39  
for computer storage component combined with housing or mounting  
arrangement having no data processing or calculating procedures.