

1	WITH DIVERSE ART-TYPE DEVICE	30	..With explosive or combustible material
2	WITH SEPARATE DISTINCT DIVERSE ART-TYPE SWITCHING DEVICE (E.G., FLUID- OR MECHANICAL-ACTUATED)	31	..With fusible element (e.g., cutout means)
3	.Bimetallic device with other	32	...With grounding means
4	.Fusible element device with other	33	...With common structural elements (e.g., fuse provides support or element of spark gap structure)
5	..Diverse art-type switching device responsive to the condition of fusible element	34	..Housing, casing, mounting or support means
6	..With automatic circuit-interrupting device	35	.Plural diverse similar art-type devices in single switch
7	...Multiphase of multipole	36	.With bimetallic elements (i.e., motion takes place in a plane at right angles to its major axis)
8	..Manually operable mechanical device	37	..With manual or other mechanical contact controlling means
9	...Knife or blade switch	38	...Plural elements combined with single mechanical means
10	...Rotary or reciprocating mechanism	39	....Independently operative bimetallic elements
11	..With multiple circuit connector device (e.g., multiple mechanical)	40	....Individually responsive to diverse conditions or diverse characteristics
12	WITH DIVERSE ART-TYPE ACTUATOR FOR SINGLE SWITCH	41	...Multiple contact or plural circuit control means
13	.Bimetallic with other	42	....Plural switches
14	ELECTROTHERMALLY ACTUATED SWITCHES	43	....With interlocking means
15	.Shunt or short circuit completion devices	44	...Selectively or alternately actuated
16	..Bimetallic means	45	....Single multipole or polyphase control device
17	..Fusible material combined with gap	46	....With common mechanical actuating or tripping means
18	...Gaseous space discharge gap (e.g., air gap)	47	....With separate latching or tripping means in each phase
19	..Gap with thin film dielectric (e.g., voltage-responsive)	48	.....With common trip-bar means
20	..With significant housing or casing structure	49	.....Slidable or reciprocal bar
21	.Conductive fluid devices	50	.....Rotatable
22	.Fluorescent lamp-starting devices	51	...Cyclically or periodically actuated
23	..With significant heating means	52	..With spring or other energy storage device
24	..With shunt or short-circuiting means (for resistor)	53	....Snap-action
25	..Electric discharge means (e.g., electron-emissive)	54	....With magnetic flux source (e.g., magnetic armature)
26	..With significant contact structure or composition	55	....With latching or holding means
27	...Bimetallic element	56	....With reclosing or reset means
28	.Space discharge device (gaps, lightning arrester, etc.)	57With adjusting or calibration means
29	..Plural		

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58Compound motion means	87Alternately or selectively actuated
59Toggle	88	...Retarded or delayed type
60	.....Floating lever	89	...Snap-action
61	....Rotary or oscillatory motion device (e.g., spring motor)	90	...With magnetic armature or holding means
62	....Reciprocating or slidable motion device	91	...With reset means
63	.....With lost motion coupling means	92	...Cyclic or repetitively operative (e.g., flashing)
64	.....With camming or wedging means	93	...With interval predetermining or adjustment means
65	.....With contact guiding or alignment means	94	...With operating range, calibration or adjusting means
66	.....With push-button actuating means	95	...With plural or combined elements
67	..With contact pressure maintaining or adjusting means	96	...Responsive to diverse conditions or of diverse operative characteristics
68	..With direct contact separating means (e.g., plunger camming means)	97	..With switch structure protective means
69	...Independently operative (nontrip-free)	98	..With contact operation inhibiting means (e.g., melttable or magnetic)
70	...Latch or latch-release means	99	..With voltage or ambient temperature compensation means
71	....Plural or responsive to diverse effects	100	...Auxiliary heating means
72	....With reclosing or reset means	101	...Bimetallic means
73	.....Automatic	102	..With external or auxiliary heating means
74	....Trip-free	103	...With heater-adjusting, shunting or short-circuiting means
75	....Bimetallic element unitary with or comprising latch means	104	...Plural heating means
76	....Performs dual functions (e.g., main contact)	105	...With electrical power supply or current control means
77	....With external or auxiliary heater	106	....Inductive means (e.g., transformer)
78	....Utilizing plural bimetallic elements	107	...Significant heating element structure or composition
79	..With signal or indicating means	108	....Arc or spark gap
80	..With mercury or other conductive liquid circuit completion means	109	..Contact composition or structure
81	...Retarded or delayed action type	110	..With arc-suppression or blowout means
82	...With operating range calibration or adjustment means	111	..Bimetallic structure or composition of material
83	....Comprising electric shunt or short-circuiting means	112	..Housing, casing or support means
84	....Comprising mechanical means	113	...With external circuit connection means
85	..Bimetallic element unitary with or directly actuates movable contact means	114	..Expansible or vaporizable fluid-actuated (e.g., mercury vapor)
86	...Plural contacts or external circuit connection means	115	..With manual or other mechanical contact actuating means

116	...Cyclically or periodically operative	146	....Multipole or polyphase
117	..Utilizing diaphragm or bellows means	147	...Snap-action mechanical device
118	...With restoring or resetting means	148	...Reciprocal or rectilinear sliding motion actuating means (e.g., spring loaded plunger or striker pin)
119	..Utilizing capillary tube or bore means	149	...Rotary or oscillatory motion device
120	..With external heating means (external from fluid; may be the container)	150	..Latching trip or holding means (actuated by condition by fuse element)
121	..With housing or casing	151	....Ratchet and pawl
122	..With contact or electrode structure or material (e.g., carbon)	152	....Thin film or resoldering (e.g., eutetic alloy)
123	..With longitudinally expansible solid element (e.g., rod, wire strip, etc.)	153	....With external or auxiliary heating means
124	..With voltage or ambient temperature compensation means	154	....Tripping or release means
125	..With electrical shunting or short-circuiting means	155	...With reclosing or reset means
126	..With manual or other mechanical contact actuating means	156	...Manually operated shunting, disconnect or load-break device
127	..With delayed action or timing means	157	....Mechanical fuse link rupturing means
128	...Latching or tripping means	158	..Current limiting devices (e.g., high voltage fuses)
129	....With adjustment or calibration means	159	...Comprising significant fuse link or element structure or arrangement
130	....With reset or reclosing means	160	....With fusible metal overlay (e.g., alloy-forming)
131	...Snap-action (e.g., bistable)	161	....Plural elements
132	....With toggle spring	162	....With diverse characteristics
133	....With stop means (e.g., motion limiting)	163	..Delayed action (i.e., time lag)
134	....With magnetic biasing or holding means	164	...Utilizing plural fusible elements
135	....With flexible vane or plate	165	...With biased direct circuit opening means
136	....With preset deformation	166	...With heat absorption, conducting or storage means
137	..Contact structure or composition	167	..Convertible (e.g., fused to nonfused)
138	..Cyclically or periodically operated (e.g., flasher)	168	..Cutout or disconnect type (an assembly) of a fuse support and fuse holder with or without a fuse link)
139	..With significant expansible element structure or composition of material	169	...With kickout means
140	...Wire or other stranded element	170	....Fusible element controlled
141	..With external or auxiliary heating means	171	...With dropout features (i.e., the fuse tube will be separated, or drop away from, at least on the main circuit contacts)
142	..Fusible element actuated		
143	..With manual or other mechanical contact control means	172	....Utilizing combined mechanical motions (e.g., sliding with pivotal)
144	...Plural fuses combined with single mechanical means		
145	...Multiple contact or plural circuit control means		

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173Utilizing sliding or reciprocating motions	204	...With oil or other liquid
174	...With holding, latch or trip means	205	...With locking, sealing or guard means
175	.....Combined latch or trip	206	...With operational condition indicating means
176	.....Fusible element controlled	207	...With external support or attaching means (e.g., hook)
177	.....With fuse link extracting means	208	...With fuse carrier attachment means
178	.....Spring biased	209	...Adaptor means
179	.....With delayed action	210	...Combined with lockout or other circuit closure prevention means
180	...Line terminal or contact structure	211	...With pull out or ejector means (for tube)
181	...Directly connected by fusible element (e.g., in line-type fuse)	212	...Door-supported
182	..With external or auxiliary heating means	213	...Peculiarly adapted for cartridge fuse
183	...Resistive heater	214	.....With clamping, latch, or other attachment means
184	...Directly in series with or completing controlled circuit	215	.....Spring clip
185	...Comprising or including heat storage or accumulator means	216	...Peculiarly adapted for plug-type fuse carrier (e.g., fuse block)
186	..Housing, casing or support means	217	..Fuse link extraction or expulsion means
187	...With external circuit connection means	218	...Combined with contact structure
188	...Plural conductor connector means	219	...Spring means
189	.....Distribution or load center type (e.g., plural outputs)	220	...Pressure responsive
190	...With fuse element tensioning or clamping means	221	..With electrical shunt circuit means (may also be fusible)
191	...Cable or busbar attachment means	222	..With switch protective means (for fuse structure)
192	.....Socket or thimble	223	...Against shock or recoil
193	.....Line tap, hook or clamp	224	...Against corona (e.g., shield)
194	...With relatively movable cooperative elements (e.g., pull out)	225	..With overfusing or tamper prevention means
195	.....With spring biasing means	226	...Special adaptor or other selective means
196	.....Door or closure controlled	227	..Fuse link carrier or holder
197	...Plural diverse (e.g., male and female connectors)	228	...Cartridge or tube
198	...Prong or blade (e.g., plug-type housing)	229	...With plural fuse links or elements
199	...With electrical ground, shield or barrier	230	.....Selectively or successively insertable in common circuit
200	..Ceiling block fixture type (e.g., Rosette)	231	...With fuse link attaching support or securing means
201	...With plural interfitting or interlocking sections	232	.....Soldered or brazed joint
202	...Bushing or insulator	233	.....Rigid bar means
203	...With gaseous venting or expulsion means (from the housing)	234	.....Locking or clamping means
		235	.....Threaded screw or stud
		236	.....Wedging or camming means
		237	.....Replaceable or readily interchangeable

238	....With fuse link tensioning means	269	.....Plural diverse (e.g., male and female)
239	.....Spring or other energy storage means	270	....Structure or composition of material
240	.....With strain member	271	.....Part of or structurally adapted for use with particular socket means
241	....With indicating or inspection means	272	....With venting means
242	.....Glow lamp	273	..With arc suppression or extinguishing means
243	.....Chemical means	274	...Plural (e.g., auxiliary fuse)
244	.....Movable or displaceable element (e.g., plunger or semaphore)	275	....With draw-out rod
245	....With handle or other manipulating means	276	...Dielectric filler material or compound (e.g., quartz)
246	....Cartridge or tube structure or material of construction	277	....Liquid (e.g., hydrocarbon)
247	.....Plural tubes (e.g., telescoping)	278	...Dielectric gap or barrier means (e.g., wedging dielectric)
248	....Ferrule, cap or other seal means	279	..Deionizing gas or vapor generating material
249	....With gas expulsion means	280	...Cooling, condensing or absorbing means
250	.....Venting, cooling or deionizing	281	...Blowout means (e.g., gaseous)
251	....Contact or terminal structure	282	...Arcing chamber or passage structure
252	.....Attaching or securing means (to the tube or to the fusible element)	283	..Plural independent fuses
253	.....Locking, clamp or wedge means	284	...Selectively or sequentially inserted in same protected circuit
254	.....Knife blade contact with slotted disk	285	....Automatic selective means (e.g., repeater type)
255	...Plug	286	.....With delayed action selective means
256	....Plural fusible elements in a single carrier	287	.....Hydraulic or pneumatic
257	.....Selectively or successively insertable in protected circuit	288	.....Transfer or interlock means
258	.....Selection means	289	...Rotary selector means
259	.....Rotatable relatively movable	290	..Fusible link or element structure or material
260	....With fuse element attachment or securing means	291	...With strain-relief means
261	.....Resilient biasing or retaining means	292	...Plural series-connected conductive elements forming a single link
262	.....Particularly adapted for specific fuse element	293	...Plural parallel fusible elements
263	.....Cartridge or capsule enclosed	294	...Continuous strand adapted for successive insertion in protected circuit
264	.....Readily replaceable or detachable element	295	...With particular geometrical shape or configuration
265	....With indicating means	296	...Composite (e.g., with overlay)
266	.....Glow lamp or other incandescent means	297	...With nonconductive core (e.g., printed circuit)
267	.....Plunger or semaphore type	298	THERMALLY ACTUATED SWITCHES
268	....Contact or terminal structure	299	..Plural diverse actuating means in single switch

300	..Responsive to plural external conditions (e.g., temperature and humidity)	329	..Contact structure or composition of material
301	..With mechanical timing means (e.g., clockwork)	330	...With relative position adjustment means
302	..Periodic or cyclically operative	331	...Comprising conductive liquid (e.g., mercury)
303	...With predetermined operative cycle adjusting means	332	..With signaling, alarm or visual indicator means
304	..With predetermined operative temperature range	333	..With bimetallic element
305	...Utilizing cam or eccentric	334	..With manual or other mechanical contact control means
306	..Expansible or vaporizable fluid actuated	335	...Plural elements combined with single mechanical means
307	..Plural expansible elements with single switch	336	...Individually responsive to diverse conditions or of diverse operating characteristics
308	...Individually responsive to diverse conditions or of diverse characteristics	337	..Multiple contact or plural circuit control means
309	..Multiple contacts or external circuit completion means	338	...Plural separate switches
310	...Plural independent switches	339	....With interlocking
311	...Selective, sequentially or alternately actuated	340	...With contacts selectively, alternately or sequentially actuated
312	..With manual or other mechanical contact control means	341	...With time-delay means
313	...Combined or compound motion device	342	...With spring or other energy storage means
314	...Reciprocating or sliding motion	343	....Snap-action
315	....Piston or plunger	344	....With magnetic flux source (e.g., magnetic armature)
316	...Rotary or oscillatory motion device	345	....With toggle linkage
317	..With spring or other energy storage means	346	....With frictional coupling or lost motion means
318	....Snap-action	347	....With adjusting or calibration means
319	....With adjusting, calibrating or compensating means	348	....With reset or reclosing means
320	..With diaphragm or bellows structure	349	..With contact biasing, pressure control or adjusting means
321	...Combined with capillary tube or bore	350	..Compound motion means
322	..With Bourdon tube	351	..Rotary or oscillatory motion means
323	..With operating range calibration or adjustment means	352	...With frictional clutch drive means
324	..With auxiliary heater	353	...Including cam and follower
325	..With latching, locking or holding means	354	..Reciprocating or slidable motion means
326	..Fluid or fluid pressure generating means	355	...Independently operative
327	..Housing, casing or support means	356	...Latch or latch-release means
328	...With pressure relief (e.g., venting)	357	....Adjustable
		358	....With reclosing or reset means
		359	...With bimetallic element comprising or unitary with latch

360	..With operating range calibration or adjustment means	389	....Comprising resilient leaf spring
361	...Utilizing cam or roller	390	....Snap-action
362	..Bimetallic element unitary with or directly actuates contacts	391	....With flexible vane or plate
363	..Multiple contacts or external circuit control means	392	..With operating range calibration or adjusting means
364	....Alternately or selectively actuated	393	..Expansible solid structure or composition of material
365	...Snap-action	394	...Rod, tube or cylinder
366	....With magnetic flux source	395	...Wire or stranded material
367	....With reset means	396	...Diaphragm, strip or ribbon
368	....With adjustment or calibration means	397	..Plural deformable elements in single switch
369	..Cyclically or repetitively operative	398	..Housing, casing or support means
370	...With plural bimetallic elements	399	..Contact or terminal structural or composition of material
371	....Of diverse operating characteristics or responsive to diverse conditions	400	..With position adjusting means
372	..Element attachment or mounting means	401	..With fusible, combustible or explosive material
373	..Contact structure or composition of material (e.g., mercury)	402	..With manual, gravity-actuated or other mechanical contact control means
374	...With position adjusting means	403	...Automatic cutout or disconnect type
375	....Leaf spring with direct thrust element	404	....With fusible element directly connecting contacts
376	..With signal or indicating means	405	....With fusible element opening the circuit (no mechanical contacts)
377	..With auxiliary heating means	406	..Multiple contacts or plural circuit control means
378	..With compensation means (e.g., ambient temperature)	407	..Utilizing spring or other energy
379	..Bimetallic element structure or composition of material	408	....Reciprocating or slidable motion device
380	..Housing, casing or support structure	409	....Plunger or piston
381	..With significant external circuit connection means	410	....Rotatable
382	..With longitudinally expansible solid element	411	...Latch, trip or holding means
383	..With plural contacts or external circuit completion means	412	..Plural independent fuse elements with single circuit completion means
384	..With manual or other mechanical contact control means	413	..Contact structure or composition of material
385	...Latching or tripping means	414	..Housing, casing or support means
386	..Comprising mechanical advantage or force multiplying means	415	...Flexible or resilient
387	...Comprising frictional clutch or lost motion means	416	..Fusible, link or element structure or composition of material
388	...With spring or other energy storage means	417	DETAILS

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