WITH DIVERSE ART-TYPE DEVICE
WITH SEPARATE DISTINCT DIVERSE
ART-TYPE SWITCHING DEVICE
(E.G., FLUID- OR MECHANICAL-
ACTUATED)
.Bimetallic device with other
.Fusible element device with
other
..Diverse art-type switching
device responsive to the
condition of fusible element
..With automatic circuit-
interrupting device
...Multiphase of multipole
..Manually operable mechanical
device
...Knife or blade switch
...Rotary or reciprocating
mechanism
..With multiple circuit connector
device (e.g., multiple
mechanical)

WITH DIVERSE ART-TYPE ACTUATOR
FOR SINGLE SWITCH
.Bimetallic with other

ELECTROTHERMALLY ACTUATED
SWITCHES
..Shunt or short circuit
completion devices
..Bimetallic means
..Fusible material combined with
gap
..Gaseous space discharge gap
(e.g., air gap)
..Gap with thin film dielectric
(e.g., voltage-responsive)
..With significant housing or
casing structure
.Conductive fluid devices
.Fluorescent lamp-starting
deVICES
..With significant heating means
..With shunt or short-circuiting
means (for resistor)
..Electric discharge means (e.g.,
electron-emissive)
..With significant contact
structure or composition
..Bimetallic element
.Space discharge device (gaps,
lightning arrester, etc.)
..Plural
..With explosive or combustible
material
..With fusible element (e.g.,
cutout means)
..With grounding means
..With common structural
elements (e.g., fuse provides
support or element of spark
gap structure)
..Housing, casing, mounting or
support means
..Plural diverse similar art-type
devices in single switch
..With bimetallic elements (i.e.,
motion takes place in a plane
at right angles to its major
axis)
..With manual or other mechanical
contact controlling means
..Plural elements combined with
single mechanical means
.....Independently operative
bimetallic elements
.....Individually responsive to
diverse conditions or diverse
characteristics
.....Multiple contact or plural
circuit control means
.....Plural switches
.....With interlocking means
.....Selectively or alternately
actuated
.....Single multipole or polyphase
control device
.....With common mechanical
actuating or tripping means
.....With separate latching or
tripping means in each phase
.....With common trip-bar means
.......Slidable or reciprocal bar
.......Rotatable
.....Cyclically or periodically
actuated
.....With spring or other energy
storage device
.....Snap-action
.....With magnetic flux source
(e.g., magnetic armature)
.....With latching or holding
means
.....With reclosing or reset
means
.....With adjusting or
calibration means

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

...Utilizing diaphragm or bellows means

...With restoring or resetting means

...Utilizing capillary tube or bore means

...With external heating means (external from fluid; may be the container)

...With housing or casing

...With contact or electrode structure or material (e.g., carbon)

...With longitudinally expansible solid element (e.g., rod, wire strip, etc.)

...With voltage or ambient temperature compensation means

...With electrical shunting or short-circuiting means

...With manual or other mechanical contact actuating means

...With delayed action or timing means

...Latching or tripping means

...Latching or tripping means

...With adjustment or calibration means

...With reset or reclosing means

...Snap-action (e.g., bistable)

...With toggle spring

...With stop means (e.g., motion limiting)

...With magnetic biasing or holding means

...With flexible vane or plate

.....With preset deformation

...Contact structure or composition

...Cyclically or periodically operated (e.g., flasher)

...With significant expansible element structure or composition of material

...Wire or other stranded element

...With external or auxiliary heating means

.Fusible element actuated

...With manual or other mechanical contact control means

...Plural fuses combined with single mechanical means

...Multiple contact or plural circuit control means

...Multipole or polyphase

...Snap-action mechanical device

...Reciprocal or rectilinear sliding motion actuating means (e.g., spring loaded plunger or striker pin)

...Rotary or oscillatory motion device

...Latching trip or holding means (actuated by condition by fuse element)

...Thin film and pawl

...With external or auxiliary heating means

...Tripping or release means

...With reclosing or reset means

...Manually operated shunting, disconnect or load-break device

...Mechanical fuse link rupturing means

...Current limiting devices (e.g., high voltage fuses)

...Comprising significant fuse link or element structure or arrangement

...With fusible metal overlay (e.g., alloy-forming)

...Plural elements

......With diverse characteristics

...Delayed action (i.e., time lag)

...Utilizing plural fusible elements

...With biased direct circuit opening means

...With heat absorption, conducting or storage means

...Convertible (e.g., fused to nonfused)

...Cutout or disconnect type (an assembly) of a fuse support and fuse holder with or without a fuse link

...With kickout means

...Fusible element controlled

...With dropout features (i.e., the fuse tube will be separated, or drop away from, at least on the main circuit contacts)

...Utilizing combined mechanical motions (e.g., sliding with pivotal)
CLASS 337 ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES

173 ....Utilizing sliding or reciprocating motions
174 ....With holding, latch or trip means
175 .....Combined latch or trip means
176 .....Fusible element controlled
177 ......With fuse link extracting means
178 ......Spring biased
179 ......With delayed action
180 .....Line terminal or contact structure
181 ....Directly connected by fusible element (e.g., in line-type fuse)
182 ..With external or auxiliary heating means
183 ...Resistive heater
184 ...Directly in series with or completing controlled circuit
185 ...Comprising or including heat storage or accumulator means
186 ...Housing, casing or support means
187 ...With external circuit connection means
188 ....Plural conductor connector means
189 .....Distribution or load center type (e.g., plural outputs)
190 .....With fuse element tensioning or clamping means
191 .....Cable or busbar attachment means
192 .....Socket or thimble
193 .....Line tap, hook or clamp
194 .....With relatively movable cooperative elements (e.g., pull out)
195 .....With spring biasing means
196 .....Door or closure controlled
197 .....Plural diverse (e.g., male and female connectors)
198 .....Prong or blade (e.g., plug-type housing)
199 .....With electrical ground, shield or barrier
200 .....Ceiling block fixture type (e.g., Rosette)
201 .....With plural interfitting or interlocking sections
202 .....Bushing or insulator
203 .....With gaseous venting or expulsion means (from the housing)
204 .....With oil or other liquid
205 .....With locking, sealing or guard means
206 .....With operational condition indicating means
207 .....With external support or attaching means (e.g., hook)
208 .....With fuse carrier attachment means
209 .....Adaptor means
210 .....Combined with lockout or other circuit closure prevention means
211 .....With pull out or ejector means (for tube)
212 .....Door-supported
213 .....Peculiarly adapted for cartridge fuse
214 .....With clamping, latch, or other attachment means
215 .....Spring, latch, or other attachment means
216 .....Peculiarly adapted for plug-type fuse carrier (e.g., fuse block)
217 .....Fuse link extraction or expulsion means
218 .....Combined with contact structure
219 .....Spring means
220 .....Pressure responsive
221 .....With electrical shunt circuit means (may also be fusible)
222 .....With switch protective means (for fuse structure)
223 .....Against shock or recoil
224 .....Against corona (e.g., shield)
225 .....With overfusing or tamper prevention means
226 .....Special adaptor or other selective means
227 .....Fuse link carrier or holder
228 .....Cartridge or tube
229 .....With plural fuse links or elements
230 .....Selectively or successively insertable in common circuit
231 .....With fuse link attaching support or securing means
232 .....Soldered or brazed joint
233 .....Rigid bar means
234 .....Locking or clamping means
235 .....Threaded screw or stud
236 .....Wedgeing or camming means
237 .....Replaceable or readily interchangeable
CLASS 337 ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES

238 ....With fuse link tensioning means
239 ....Spring or other energy storage means
240 ......With strain member
241 ....With indicating or inspection means
242 .....Glow lamp
243 .....Chemical means
244 ....Movable or displaceable element (e.g., plunger or semaphore)
245 ....With handle or other manipulating means
246 .....Cartridge or tube structure or material of construction
247 .....Plural tubes (e.g., telescoping)
248 ....Ferrule, cap or other seal means
249 ....With gas expulsion means
250 .....Venting, cooling or deionizing
251 ....Contact or terminal structure
252 .....Attaching or securing means (to the tube or to the fusible element)
253 ......Locking, clamp or wedge means
254 .......Knife blade contact with slotted disk
255 ...Plug
256 .....Plural fusible elements in a single carrier
257 .....Selectively or successively insertable in protected circuit
258 ....Selection means
259 ......Rotatable relatively movable
260 ....With fuse element attachment or securing means
261 ......Resilient biasing or retaining means
262 .....Particularly adapted for specific fuse element enclosed
263 ......Cartridge or capsule
264 .....Readily replaceable or detachable element
265 .....With indicating means
266 .....Glow lamp or other incandescent means
267 .....Plunger or semaphore type
268 .....Contact or terminal structure

269 ....Plural diverse (e.g., male and female)
270 ....Structure or composition of material
271 .....Part of or structurally adapted for use with particular socket means
272 .....With venting means
273 ..With arc suppression or extinguishing means
274 ...Plural (e.g., auxiliary fuse)
275 ....With draw-out rod
276 ......Dielectric filler material or compound (e.g., quartz)
277 ....Liquid (e.g., hydrocarbon)
278 .....Dielectric gap or barrier means (e.g., wedging dielectric)
279 ....Deionizing gas or vapor generating material
280 .....Cooling, condensing or absorbing means
281 ...Blowout means (e.g., gaseous)
282 ...Arcing chamber or passage structure
283 .....Plural independent fuses
284 ...Selectively or sequentially inserted in same protected circuit
285 ....Automatic selective means (e.g., repeater type)
286 ......With delayed action selective means
287 ......Hydraulic or pneumatic
288 .....Transfer or interlock means
289 .....Rotary selector means
290 .....Fusible link or element structure or material
291 ....With strain-relief means
292 .....Plural series-connected conductive elements forming a single link
293 ...Plural parallel fusible elements
294 ...Continuous strand adapted for successive insertion in protected circuit
295 ....With particular geometrical shape or configuration
296 .....Composite (e.g., with overlay)
297 .....With nonconductive core (e.g., printed circuit)

THERMALLY ACTUATED SWITCHES

298 .Plural diverse actuating means in single switch

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Responsive to plural external conditions (e.g., temperature and humidity)

With mechanical timing means (e.g., clockwork)

Periodic or cyclically operative

With predetermined operative cycle adjusting means

Utilizing cam or eccentric

Expansible or vaporizable fluid actuated

Plural expansible elements with single switch

Individually responsive to diverse conditions or of diverse characteristics

Multiple contacts or external circuit completion means

Plural independent switches

Selective, sequentially or alternately actuated

With manual or other mechanical contact control means

Combined or compound motion device

Reciprocating or sliding motion

Piston or plunger

Rotary or oscillatory motion device

With spring or other energy storage means

Snap-action

With adjusting, calibrating or compensating means

With diaphragm or bellows structure

Combined with capillary tube or bore

With Bourdon tube

With operating range calibration or adjustment means

With auxiliary heater

With latching, locking or holding means

Fluid or fluid pressure generating means

Housing, casing or support means

With pressure relief (e.g., venting)
CLASS 337 ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES

360 ..With operating range calibration or adjustment means
361 ...Utilizing cam or roller
362 ...Bimetallic element unitary with or directly actuates contacts
363 ...Multiple contacts or external circuit control means
364 ...Alternately or selectively actuated
365 ...Snap-action
366 ...With magnetic flux source
367 ...With reset means
368 ...With adjustment or calibration means
369 ...Cyclically or repetitively operative
370 ...With plural bimetallic elements
371 ...Of diverse operating characteristics or responsive to diverse conditions
372 ...Element attachment or mounting means
373 ...Contact structure or composition of material (e.g., mercury)
374 ...With position adjusting means
375 ...Leaf spring with direct thrust element
376 ...With signal or indicating means
377 ...With auxiliary heating means
378 ...With compensation means (e.g., ambient temperature)
379 ...Bimetallic element structure or composition of material
380 ...Housing, casing or support structure
381 ...With significant external circuit connection means
382 ...With longitudinally expansible solid element
383 ...With plural contacts or external circuit completion means
384 ...With manual or other mechanical contact control means
385 ...Latching or tripping means
386 ...Comprising mechanical advantage or force multiplying means
387 ...Comprising frictional clutch or lost motion means
388 ...With spring or other energy storage means

389 ...Comprising resilient leaf spring
390 ...Snap-action
391 ...With flexible vane or plate
392 ...With operating range calibration or adjusting means
393 ...Expansible solid structure or composition of material
394 ...Rod, tube or cylinder
395 ...Wire or stranded material
396 ...Diaphragm, strip or ribbon
397 ...Plural deformable elements in single switch
398 ...Housing, casing or support means
399 ...Contact or terminal structural or composition of material
400 ...With position adjustment means
401 ...With fusible, combustible or explosive material
402 ...With manual, gravity-actuated or other mechanical contact control means
403 ...Automatic cutout or disconnect type
404 ...With fusible element directly connecting contacts
405 ...With fusible element opening the circuit (no mechanical contacts)
406 ...Multiple contacts or plural circuit control means
407 ...Utilizing spring or other energy
408 ...Reciprocating or slidable motion device
409 ...Plunger or piston
410 ...Rotatable
411 ...Latch, trip or holding means
412 ...Plural independent fuse elements with single circuit completion means
413 ...Contact structure or composition of material
414 ...Housing, casing or support means
415 ...Flexible or resilient
416 ...Fusible, link or element structure or composition of material

DETAILS

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FOR 000 CLASS-RELATED FOREIGN DOCUMENTS