

1	COHERER TYPE	36	.Fluid- or gas pressure-actuated
2	STRAIN GAUGE TYPE	37	..Vehicle tire inflation
3	.With temperature compensation	38	..Liquid resistance element or contact
4	.Fluid- or gas pressure-actuated	39	..Piston
5	.Dynamometer type	40	..Bourdon tube
6	.Extensometer type	41	..Bellows or capsule
7	RESISTANCE VALUE TEMPERATURE-COMPENSATED	42	..Diaphragm
8	.Temperature-compensated actuator	43	.Gravity stabilized or inertia actuator
9	.With additional compensating resistor or resistance element	44	..Liquid resistance element or contact
10	..Filament or wire resistance elements	45	..Centrifugal
11	REFLECTOR DIRECTS HEAT ON ELEMENT	46	..Pendulum
12	MOVABLE MAGNET ACTUATES RESISTOR THROUGH HOUSING OR PARTITION	47	.Force-actuated
13	RESISTANCE VALUE RESPONSIVE TO A CONDITION	48	PLURAL SEPARATE DIVERSE RESISTORS SHUNT TYPE
14	.Plural conditions	49	MOUNTED ON WHEELS OR VEHICLE WITH HEAT DISSIPATING PROJECTIONS (E.G., VANES)
15	.Photoconductive (e.g., light sensitive)	50	
16	..With vibration control	51	.Granular, powdered, or transversely stacked resistance element
17	..Plural resistance elements (e.g., mosaic)	52	
18	..Infrared radiation	53	WITH COOLING GAS OR LIQUID CIRCULATION
19	..With transparent housing	54	.Element granular, powdered, or stacked between terminals
20	.Current and/or voltage (e.g., ballast resistor)	55	.With cooling liquid circulation
21	..Voltage surge-responsive or lightning arrester type	56	..Liquid resistance element circulates
22 R	..Thermistor type	57	.Vented or ventilating casing or housing
23	...Indirectly heated	58	.Ventilated helical or zigzag element
22 SD	..Semiconductor	59	WITH HEAT-STORING
24	..Indirectly heated	60	WITH CAPACITY-REDUCING
25	.Ambient temperature	61	WITH INDUCTANCE-REDUCING
26	..Cable or tape type (e.g., fire-detecting cable)	62	.Helical or wound element
27	..Liquid contact or element	63	..Bifilar
28	..Probe type	64	WITH ELECTRICAL SHIELD
29	..Mechanically adjustable or variable	65	.Mechanically variable resistor
30	...Terminal forms casing or housing	66	IGNITION INTERFERENCE SUPPRESSOR TYPE
31	..Mechanically adjustable or variable	67	WITH DIVERSE NONELECTRICAL DEVICE (E.G., MECHANICAL OR CHEMICAL)
32 R	.Magnetic field or compass (e.g., Hall effect type)	68	MECHANICALLY VARIABLE (E.G., RHEOSTAT)
32 H	..Hall effect	69	.Musical instrument playing key actuated
32 S	..Superconductors	70	.In or on lamp socket
33	.Float actuator	71	..Resistor surfaces pressed together (e.g., compressible type)
34	.Gas, vapor, or moisture absorbing or collecting		
35	..Humidity		

72	..Resistor with intervening connector between contact and element (e.g., taps)	100	..Granular
		101	..Pile type
		102	...With contactor moving along pile
73	..Resistor with contact angularly slidable on element	103	...With electromagnetic operator (e.g., electric motor)
74	..Resistor with contact rectilinearly slidable on element	104Force applied at both ends of pile
75	.With resistor cleaner	105With diaphragm-type biasing spring
76	.Interchangeable resistors of different resistance value	106	...With initial pressure adjustment
77	.Plug boxes		...With electromagnetic holder
78	.With current reversing (e.g., reversing rheostat)	107	...Pedal- or treadle-operated
		108	...With initial pressure adjustment
79	.With element winding and/or unwinding	109	...With switch actuated by resistor actuator
80	.Liquid resistance element	110	...With intervening conducting structure
81	..Electrode separable from liquid element for switching	111	...Contact surface area of piles variable
82	..Adjustable insulating barrier between electrodes	112	...With resilient pressure-applying linkage
83	..Variable electrode separation		.Deformable
84	...Plural ganged electrodes	113	.Element in piled or stacked layers
85	...Electrode rotatable	114	.With electromagnetic operator (e.g., electric motor)
86	..Level of liquid element adjustable on electrodes (e.g., electrodes move up and down in element)	115	.Slidable coextensive helical and linear contacts
		116	.Movable contact electrically adjustable over length of resistance element
87	.Contact adjustably inserted into resistance element (e.g., penetrating type)	117	..With contact position indicating lamp
88	..Powdered element	118	..Additional resistor adjustably shunts part of resistance element (e.g., varifunction type)
89	.Mathematical function (e.g., sine-cosine potentiometer)		..With nonlinearity correction
90	..With slab or card-type resistance element	119	..Coarse and fine resistance elements
91	..With mechanical converter	120	...Plural elements and plural contacts
92	.Resistance element adjustably short-circuited		...Contacts interlinked (e.g., lost motion type)
93	..Compressible spring type		..Unitary movable contact electrically bridges plural resistance elements
94	..Liquid contact	121	...Elements or taps in parallel
95	..With intervening structure between element and short-circuiting means (e.g., taps)	122	...Contact rotates between circularly arranged elements or taps
		123	
96	..Spring contact strip progressively pressed along element	124	
		125	
97	..Unitary movable contact electrically bridges resistance portions	126	
		127	
98	.With motion or vibration damping means (e.g., dashpots)		
99	.Surfaces pressed together (e.g., compressible type)		

128	..Plural	161	...With element casing open over contact track
129	...Sequentially operated	162	...Contact angularly slidable
130	...Ganged	163	...With knob forming casing or covering
131	...Resistors individually adjustable	164	...Hermetically sealed housing
132	...Resistors in tandem along rotary shaft or coupling	165	...With elongated rectilinear resistance element
133	...Rectilinearly operated	166	...With removable actuating shaft or key
134	...Individually operated concentric shaft type	167	...Spring-loaded contact
135	..With zero setting or phasing	168	...With flexible lead-in to contact
136	..Contact clamped on resistance element	169	...Contact pressure adjustable
137	..Plural contacts adjustable over single resistance element	170	...With contact biasing spring on contact arm or carrier
138	..Element tapered	171	...With plural contact portions
139	...Portion of element shorted	172	...With switching
140	...With intervening connector between contact and element (e.g., taps)	173Contact separable from resistance element
141	...Helical or wound	174	...With collector ring
142	...Element forms a coating	175Ring, a shaft-bearing
143	..Contact moves along turns of helical resistance element	176	...Contact rectilinearly slidable
144	...Contact lifts element from core	177	...Contact surrounds resistor
145	...Helical resistance element moves	178	...Contact separable from element for switching
146	..With helical collector parallel to helical element	179	...With series switch
147	...Resistor formed as a flat spiral	180	...Screw-operated
148	...With helical screw for moving the contact	181Screw, a fine-adjustment
149	...With contact stop	182	...With contact lock
150	..Resistance element moves	183	...With collector bar
151	..With liquid contact	184	..With housing
152	..With knob mounting or enclosing the element	185	..With intervening connector between contact and element (e.g., taps)
153	..Contact operated by pedal or treadle	186	...Connector formed as severed helical turns or as comb teeth
154	..With a flexible conductive strip separating the movable contact and the resistance element or taps	187	...With arc suppressor
155	..Contact rocks along element or taps	188	...With collector bar or ring
156	..With liquid contact	189	...With magnetic holder for controller arm
157	..Contact rolls along element or taps	190	...Angularly movable contact
158	...Contact rolls rectilinearly	191	...With switch
159	..With heat conducting or distributing path	192	...Resistance element enclosed
160	..Contact slides along in contact with element	193Enclosure formed on and hardened on element
		194	..Rectilinearly movable contact
		195	..Resistance value varied by removing or adding material
		196	..With resistor actuator position indicator
		197	..With support
		198	..With switch actuated by resistor actuator

199	.With housing	237	...Hermetically sealed
200	.With switch	238	.Element in powdered insulation with outer metallic sheath
201	..Switch connects plural elements in parallel	239	..Plural elements or resistors
202	MOVABLE CONTACT STRUCTURE	240	..Terminals or leads adjacent
203	READILY SEVERABLE INTO INDEPENDENT RESISTORS	241	...Sheath only outside looped element
204	ELEMENT IN LAYERS PILED OR STACKED BETWEEN TERMINALS	242	..Shape of sheath
205	.With intervening conducting layer	243	.Element in insulation with outer metallic sheath
206	EXPANDED METAL TYPE	244	..Insulation coated on conducting liner
207	ELEMENT AND BASE PERMANENTLY FOLDED OR ROLLED	245	..Entire insulation or sheath formed as a coating
208	MESH, WOVEN, OR BRAIDED RESISTANCE ELEMENT	246	..With insulation and sheath external and internal to element
209	EXTENSIBLE	247	..Plural part sheath
210	FLEXIBLE OR FOLDING	248	...Insulation formed and hardened in situ (e.g., molded)
211	.Element coated on flexible base	249	...Parts formed as flat sheets
212	.Tape or sheet	250	..Insulation formed and hardened in situ (e.g., molded)
213	.Beaded	251	..Sheath embraces or folds over insulation
214	.Cable type	252	.Element embedded or enclosed in groove or recess
215	WITH SWITCH	253	..With filling hardened in situ
216	IN COAXIAL TRANSMISSION LINE OR WAVE GUIDE	254	.Flattened resistance element between flat layers
217	TAPERED ELEMENT	255	..Layers coalesced or fused together
218	.Helical or wound	256	.Casing or housing formed in plural layers external to element
219	IN OR ON LAMP SOCKET OR BASE	257	..One layer a coating
220	IN DETACHABLE ELECTRICAL CONNECTOR	258	.Resistance element formed as a coating on interior of casing or housing
221	DETACHABLE PLUG-TYPE RESISTOR UNIT	259	.Wound, braided, or woven casing or housing
222	WITH LIQUID ELEMENT	260	.Plural resistors
223	GRANULAR OR POWDERED ELEMENT	261	..Helical or wound element
224	.Granular or powdered mixtures	262	.Casing or housing formed as a coating
225	.Carbon particles	263	..Helical or wound element
226	INCASED, EMBEDDED, OR HOUSED	264	...Element coiled on a core
227	.With resistance value indicator	265	...Terminal or leads at one end of core
228	.Casing extends through plate	266	...Terminal surrounds element and/or core
229	.Probe type	267	.Helical or wound element
230	.Metal casing or housing cast around element	268	..Preformed sleeve engaging over element
231	.In liquid		
232	.Casing or housing readily openable and/or separable from element		
233	..Elongated casing or housing with plug, disc, or cap at end		
234	.With gaseous or vacuum spacing between element and casing or housing		
235	..Plural elements or resistors		
236	..Spacing of uniform thickness over length of element		

269	..Casing or housing formed on and hardened on resistor (e.g., molded)	299	.Plural supported helices or windings
270	..Element coiled on a core	300	.Element forms a coating
271	.Terminal forms casing or housing	301	.Element coiled on flat or ribbon base
272	.Terminal or lead surrounds and secured to casing or housing	302	.Element coiled on cylindrical or prismatic core
273	.Terminal or lead extends into end of elongated casing or housing	303	..In helical groove on core
274	..With sealing plug, disc or cap	304	.Element on frame or support
275	.Casing or housing formed on and hardened on resistor (e.g., molded)	305	..Element extends in or through openings or grooves in frame or support
276	.Terminal or lead extends through casing or housing wall	306	WITH BASE EXTENDING ALONG RESISTANCE ELEMENT
277	WITH PROTECTING STRUCTURE SPACED FROM ELEMENT OR TERMINAL	307	.Resistance element and/or terminals printed or marked on base
278	EDGEWISE COILED HELICAL STRIP RESISTANCE ELEMENT	308	.Resistance element coated on base
279	RIBBON RESISTANCE ELEMENT BENT OR CURVED ON FLAT SIDE	309	..Terminal coated on
280	.Zigzag or sinuous	310	.Resistance element extends through base
281	..Element includes integral stiffening structure	311	.Resistance element mounted in a groove in base
282	.Helical or wound	312	.Terminal extends in or through base
283	ZIGZAG OR SINUOUS RESISTANCE ELEMENT	313	.Terminal embraces base
284	.Element includes integral stiffening structure	314	.Resistance element and base formed in layers
285	.Element extends along groove in base	315	WITH MOUNTING OR SUPPORTING MEANS
286	.Helical	316	.Compensates for or permits resistor
287	.Compound or multiple zigzag	317	.Threading or projecting through the support
288	..Element includes conductive jumpers or spacers	318	.Extending between supports
289	.Element includes conductive jumpers or spacers	319	..Plural resistors
290	.Element projects in or through an opening or a slot in a support or frame	320	.Plural resistors
291	.With transverse element stiffening or reinforcing rod or strip	321	RESISTANCE ELEMENT CORES AND FRAMES
292	.Element forms a coating	322	WITH TERMINAL
293	.Planar	323	.Terminal tapped on resistance element
294	.Cylindrical	324	.Diverse terminals
295	PLURAL RESISTANCE ELEMENTS CONNECTED BY A JUMPER OR SPACER	325	.With three or more terminals
296	HELICAL OR WOUND RESISTANCE ELEMENT	326	.Terminals adjacent (e.g., looped resistor)
297	.Flat spiral winding	327	.Terminal coated on resistance element
298	.Compound helix or winding	328	.Terminal and resistance element disposed in flat layers
		329	.Welded or soldered
		330	.Terminal and resistance element integral
		331	.Resistance element surrounds terminal

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CLASS 338 ELECTRICAL RESISTORS

- 332 .Terminal embraces or surrounds
resistance element
- 333 PARTICULAR CONFIGURATION AND/OR
DIMENSION
- 334 MISCELLANEOUS

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1 WORM GEAR DRIVE