1		36	.Fluid- or gas pressure-actuated
1 2	COHERER TYPE	37	Vehicle tire inflation
	STRAIN GAUGE TYPE	38	Liquid resistance element or
3 4	.With temperature compensation		contact
	.Fluid- or gas pressure-actuated	39	Piston
5	.Dynamometer type	40	Bourdon tube
6	.Extensometer type	41	Bellows or capsule
7	RESISTANCE VALUE TEMPERATURE-	42	Diaphragm
0	COMPENSATED	43	.Gravity stabilized or inertia
8	.Temperature-compensated actuator	-15	actuator
9	.With additional compensating	44	Liquid resistance element or
1.0	resistor or resistance element		contact
10	Filament or wire resistance	45	Centrifugal
1 1	elements	46	Pendulum
11	REFLECTOR DIRECTS HEAT ON ELEMENT	47	.Force-actuated
12	MOVABLE MAGNET ACTUATES RESISTOR	48	PLURAL SEPARATE DIVERSE RESISTORS
10	THROUGH HOUSING OR PARTITION	49	SHUNT TYPE
13	RESISTANCE VALUE RESPONSIVE TO A	49 50	MOUNTED ON WHEELS OR VEHICLE
	CONDITION	50 51	
14	.Plural conditions	JT	WITH HEAT DISSIPATING PROJECTIONS
15	.Photoconductive (e.g., light	ГO	(E.G., VANES)
	sensitive)	52	.Granular, powdered, or
16	With vibration control		transversely stacked
17	Plural resistance elements	ΕC	resistance element
	(e.g., mosaic)	53	WITH COOLING GAS OR LIQUID
18	Infrared radiation	F 4	CIRCULATION
19	With transparent housing	54	Element granular, powdered, or
20	.Current and/or voltage (e.g.,		stacked between terminals
	ballast resistor)	55	.With cooling liquid circulation
21	Voltage surge-responsive or	56	Liquid resistance element
	lightning arrester type		circulates
22 R	Thermistor type	57	.Vented or ventilating casing or
23	Indirectly heated	- 0	housing
22 SD	Semiconductor	58	.Ventilated helical or zigzag
24	Indirectly heated	50	element
25	.Ambient temperature	59	WITH HEAT-STORING
26	Cable or tape type (e.g., fire-	60	WITH CAPACITY-REDUCING
	detecting cable)	61	WITH INDUCTANCE-REDUCING
27	Liquid contact or element	62	.Helical or wound element
28	Probe type	63	Bifilar
29	Mechanically adjustable or	64	WITH ELECTRICAL SHIELD
	variable	65	.Mechanically variable resistor
30	Terminal forms casing or	66	IGNITION INTERFERENCE SUPPRESSOR
	housing		TYPE
31	Mechanically adjustable or	67	WITH DIVERSE NONELECTRICAL DEVICE
	variable		(E.G., MECHANICAL OR CHEMICAL)
32 R	.Magnetic field or compass (e.g.,	68	MECHANICALLY VARIABLE (E.G.,
	Hall effect type)		RHEOSTAT)
32 H	Hall effect	69	.Musical instrument playing key
32 S	Superconductors		actuated
33	.Float actuator	70	.In or on lamp socket
34	.Gas, vapor, or moisture	71	Resistor surfaces pressed
	absorbing or collecting		together (e.g., compressible
35	Humidity		type)
	-		

338 - 2 CLASS 338 ELECTRICAL RESISTORS

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

CLASS 338 ELECTRICAL RESISTORS

128	Plural	161	With element casing open over
129	Sequentially operated		contact track
130	Ganged	162	Contact angularly slidable
131	Resistors individually adjustable	163	With knob forming casing or covering
132	Resistors in tandem along	164	Hermetically sealed housing
	rotary shaft or coupling	165	With elongated rectilinear
133	Rectilinearly operated	200	resistance element
134	Individually operated	166	With removable actuating
T24	concentric shaft type	100	shaft or key
135		167	Spring-loaded contact
	With zero setting or phasing		With flexible lead-in to
136	Contact clamped on resistance element	168	contact
137	Plural contacts adjustable over	169	Contact pressure adjustable
	single resistance element	170	With contact biasing spring
138	Element tapered		on contact arm or carrier
139	Portion of element shorted	171	With plural contact portions
140	With intervening connector	172	With switching
	between contact and element	173	Contact separable from
	(e.g., taps)		resistance element
141	Helical or wound	174	With collector ring
142	Element forms a coating	175	Ring, a shaft-bearing
143	Contact moves along turns of	176	Contact rectilinearly slidable
110	helical resistance element	177	Contact surrounds resistor
144	Contact lifts element from	178	Contact separable from
777	core	170	element for switching
145	Helical resistance element	179	With series switch
140	moves	180	Screw-operated
146	With helical collector	181	-
140	parallel to helical element	-	Screw, a fine-adjustment
147	Resistor formed as a flat	182	With contact lock
14/		183	With collector bar
140	spiral	184	With housing
148	With helical screw for moving the contact	185	With intervening connector between contact and element
149	With contact stop		(e.g., taps)
150	Resistance element moves	186	Connector formed as severed
151	With liquid contact	TOO	helical turns or as comb teeth
152	With knob mounting or	187	
TJZ	enclosing the element		With arc suppressor
153		188	With collector bar or ring
	Contact operated by pedal or treadle	189	With magnetic holder for controller arm
154	With a flexible conductive	190	Angularly movable contact
	strip separating the movable	191	With switch
	contact and the resistance	192	Resistance element enclosed
	element or taps	193	Enclosure formed on and
155	Contact rocks along element or		hardened on element
150	taps	194	Rectilinearly movable contact
156	With liquid contact	195	.Resistance value varied by
157	Contact rolls along element or		removing or adding material
1 5 0	taps Contract wells westilingerly	196	.With resistor actuator position
158	Contact rolls rectilinearly		indicator
159	With heat conducting or	197	.With support
1.00	distributing path	198	.With switch actuated by resistor
160	Contact slides along in contact with element		actuator

199	.With housing	237	Hermetically sealed
200	.With switch	238	.Element inpowdered insulation
201	Switch connects plural elements		with outer metallic sheath
	in parallel	239	Plural elements or resistors
202	MOVABLE CONTACT STRUCTURE	240	Terminals or leads adjacent
203	READILY SEVERABLE INTO	241	Sheath only outside looped
	INDEPENDENT RESISTORS		element
204	ELEMENT IN LAYERS PILED OR	242	Shape of sheath
	STACKED BETWEEN TERMINALS	243	.Element in insulation with outer
205	.With intervening conducting		metallic sheath
	layer	244	Insulation coated on conducting
206	EXPANDED METAL TYPE		liner
207	ELEMENT AND BASE PERMANENTLY FOLDED OR ROLLED	245	Entire insulation or sheath formed as a coating
208	MESH, WOVEN, OR BRAIDED	246	With insulation and sheath
	RESISTANCE ELEMENT	240	external and internal to
209	EXTENSIBLE	0.45	element
210	FLEXIBLE OR FOLDING	247	Plural part sheath
211	.Element coated on flexible base	248	Insulation formed and hardened
212	.Tape or sheet	0.4.0	in situ (e.g., molded)
213	Beaded	249	Parts formed as flat sheets
214	.Cable type	250	Insulation formed and hardened
215	WITH SWITCH	051	in situ (e.g., molded) Sheath embraces or folds over
216	IN COAXIAL TRANSMISSION LINE OR WAVE GUIDE	251	insulation
217	TAPERED ELEMENT	252	.Element embedded or enclosed in
218	.Helical or wound		groove or recess
219	IN OR ON LAMP SOCKET OR BASE	253	With filling hardened in situ
220	IN DETACHABLE ELECTRICAL	254	.Flattened resistance element
	CONNECTOR		between flat layers
221	DETACHABLE PLUG-TYPE RESISTOR	255	Layers coalesced or fused
	UNIT		together
222	WITH LIQUID ELEMENT	256	.Casing or housing formed in
223	GRANULAR OR POWDERED ELEMENT		plural layers external to element
224	.Granular or powdered mixtures	257	One layer a coating
225 226	.Carbon particles	258	.Resistance element formed as a
226	INCASED, EMBEDDED, OR HOUSED .With resistance value indicator	200	coating on interior of casing
227			or housing
	.Casing extends through plate	259	.Wound, braided, or woven casing
229	.Probe type		or housing
230	.Metal casing or housing cast around element	260	.Plural resistors
231		261	Helical or wound element
231	.In liquid .Casing or housing readily	262	.Casing or housing formed as a
232	openable and/or separable from		coating
	element	263	Helical or wound element
233	Elongated casing or housing	264	Element coiled on a core
	with plug, disc, or cap at end	265	Terminal or leads at one end
234	.With gaseous or vacuum spacing		of core
	between element and casing or	266	Terminal surrounds element
	housing		and/or core
235	Plural elements or resistors	267	.Helical or wound element
236	Spacing of uniform thickness	268	Preformed sleeve engaging over
	over length of element		element

CLASS 338 ELECTRICAL RESISTORS

269	Casing or housing formed on and hardened on resistor (e.g., molded)
270	Element coiled on a core
271	.Terminal forms casing or housing
272	.Terminal or lead surrounds and secured to casing or housing
273	.Terminal or lead extends into end of elongated casing or housing
274	With sealing plug, disc or cap
275	.Casing or housing formed on and hardened on resistor (e.g., molded)
276	.Terminal or lead extends through casing or housing wall
277	WITH PROTECTING STRUCTURE SPACED
	FROM ELEMENT OR TERMINAL
278	EDGEWISE COILED HELICAL STRIP
	RESISTANCE ELEMENT
279	RIBBON RESISTANCE ELEMENT BENT OR
	CURVED ON FLAT SIDE
280	.Zigzag or sinuous
281	Element includes integral
	stiffening structure
282	.Helical or wound
283	ZIGZAG OR SINUOUS RESISTANCE
284	ELEMENT
204	.Element includes integral stiffening structure
285	.Element extends along groove in
	base
286	.Helical
287	.Compound or multiple zigzag
288	Element includes conductive
	jumpers or spacers
289	.Element includes conductive
	jumpers or spacers
290	.Element projects in or through
	an opening or a slot in a support or frame
291	.With transverse element
291	stiffening or reinforcing rod
	or strip
292	.Element forms a coating
293	.Planar
294	.Cylindrical
295	PLURAL RESISTANCE ELEMENTS
	CONNECTED BY A JUMPER OR
	SPACER
296	HELICAL OR WOUND RESISTANCE ELEMENT
297	.Flat spiral winding
298	.Compound helix or winding

299	.Plural supported helices or windings
300	.Element forms a coating
301	.Element coiled on flat or ribbon
	base
302	.Element coiled on cylindrical or
002	prismatic core
303	In helical groove on core
304	.Element on frame or support
305	Element extends in or through
505	openings or grooves in frame
	or support
306	WITH BASE EXTENDING ALONG
500	RESISTANCE ELEMENT
307	.Resistance element and/or
507	terminals printed or marked on
	base
308	.Resistance element coated on
500	base
309	Terminal coated on
310	.Resistance element extends
210	through base
311	.Resistance element mounted in a
JII	groove in base
312	.Terminal extends in or through
JIZ	base
313	.Terminal embraces base
314	.Resistance element and base
514	formed in layers
315	WITH MOUNTING OR SUPPORTING MEANS
316	.Compensates for or permits
510	resistor
317	
517	
318	
JZT	FRAMES
300	
323	
525	
324	Diverse terminals
-	
320	.Terminals adjacent (e.g., looped
207	resistor)
327	.Terminal coated on resistance
	.Terminal coated on resistance element
327 328	.Terminal coated on resistance element .Terminal and resistance element
328	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers
328 329	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers .Welded or soldered
328	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers .Welded or soldered .Terminal and resistance element
317 318 319 320 321	.Threading or projecting throug the support .Extending between supports Plural resistors .Plural resistors RESISTANCE ELEMENT CORES AND
	0 11
	Plural resistors
320	.Plural resistors
321	RESISTANCE ELEMENT CORES AND
	FDAMEC
	FRAMES
322	WITH TERMINAL
323	.Terminal tapped on resistance
	element
224	Dimense terminels
-	
325	.With three or more terminals
326	.Terminals adjacent (e.g., looped
	resistor)
327	
327	.Terminal coated on resistance
	.Terminal coated on resistance element
	.Terminal coated on resistance element .Terminal and resistance element
328	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers
328 329	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers
328 329	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers .Welded or soldered
328 329	.Terminal coated on resistance element .Terminal and resistance element disposed in flat layers .Welded or soldered

331 .Resistance element surrounds terminal

338 - 6 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