

1	STEERING BY DRIVING	44	..Belt-type
2	PLURAL ENGINES	45	...Fluid pressure control
3	.Electric engine	46	....Ratio change controlled
4	..With brake control	47	.....Engine coast braking
5	..With clutch control	48	.....With electric valve control
6	.With clutch control	49	.....Duty ratio control
7	ELECTRIC ENGINE	50	..Fluid pressure control
8	.With clutch control	51	.Fluid resistance inhibits rotation of planetary transmission element
9	..With brake control		
10	..Stopped at end of cycle	52	.Including fluid drive
11	..Engine stopped at end of cycle	53	..Impeller-turbine-type
12	..Common controller	54	...Engine controlled
13	..Electric clutch	55	...With countershaft gearing
14	..Speed responsive	56	....And turbine shaft brake
15	.With transmission control	57	....And clutch control
16	..Load motion limit control	58	....Control of or by fluid drive
17	..Transmission change by moving engine	59	...With hydrodynamic braking
18	..Reversible engine	60	...With nonratio brake
19	..Engine starting interlock	61	...Control responsive to fluid drive
20	..Condition responsive engine control	62	...With clutch control
21	.Brake engaged when engine energy deactivated, brake disengaged when engine energy activated	63	....Disengaged during shift
22	..Cam actuated brake	64	....Speed responsive
23	..Electrically actuated brake	65	.....Electrical
24	.Brake actuation opens switch to engine	66	...With fluid unit vane control
25	..Electrically actuated brake	67	...Fill and empty-type fluid units
26	..Fluid actuated brake	68	..Ratio control
27	.Control means selectively operates engine energy input and brake	69	...With planetary transmission control
28	..Fluid actuated brake	70	.With clutch control
29	..Electrically actuated brake	71	..And brake control
30	GAS TURBINE ENGINE	72	...Temperature responsive control
31	.Continuously variable transmission	73	...Engine controlled
32	WITH SUPERCHARGER	74	...Clutch controlled
33	.Manifold pressure control	75	...Gearing controlled
34	TRANSMISSION CONTROL	76	..Temperature responsive control
35	.Differential transmission	77	..Clutch, engine, and transmission controlled
36	.Plural outputs	78	...Electronic digital control
37	.Continuously variable friction transmission	79	..Clutch and transmission controlled
38	..With fluid drive	80	...Speed responsive control
39	..With clutch control	81	....With manual override
40	..With brake control	82	....Vacuum actuated clutch
41	..Interrelated control of diverse transmissions	83	..Clutch and engine controlled
42	..Constant speed output	84	...Speed responsive control
43	..Controlled by engine map	85	....Plural speed signals
		86	..Clutch controlled
		87	...Electric clutch
		88	...Vacuum actuated clutch
		89	....Electric control

90	..Engine controlled	125	...Prevents unsafe or unintentional shift
91	...Speed responsive		
92	..With brake control	126	....Reverse inhibitor
93	..Anti-creep	127	...Shift valve control
94	..Brake controls transmission	128	....Hysteresis
95	...Pressure controlled	129	.....Electric control
96	..One control blocks another	130	....Plural shift valves
97	.Control by sensed ambient condition, pattern indicia, external signal, or temperature	131	.....Electric control
		132	.....Downshift control
		133	.....Kickdown
		134	.....Selector valve overrule
98	..Temperature control	135	....Downshift control
99	..Engine starting interlock	136	.....Kickdown
100	..Exhaust emission control	137	....Selector valve overrule
101	..Engine ignition control for transmission change	138	....Electric control
		139	....Downshift control
102	..Ignition advanced or retarded	140	....Downshift control
103	..Ignition intermitting and safety means limiting duration of intermission	141	....Kickdown
		142	....Selector valve overrule
		143	...Servo motor timing
104	..Ignition intermitting controlled by manifold pressure	144	...Downshift
		145	....With fluid accumulator
		146	.....Electric valve control
105	..Ignition intermitting initiated by positioning accelerator	147	....Double acting servo
106	...Initiation inhibited by sensed condition	148	....Speed responsive control
		149	....Electric valve control
107	..Engine controlled by transmission	150	...With fluid accumulator
		151	....Engine parameter controls back pressure
			....Electric valve control
108	..Constant output shaft speed	152	....Double acting servo
109	..Diminution during transmission change	153	....Speed responsive control
		154	....Electric valve control
110	..Responsive to transmission output condition	155	...Transmission pressure controlled
111	..Transmission setting contingent	156	....Variable capacity pump
112	...Change to neutral idles engine	157	....Line pressure controlled
113	....Engine input variable in neutral	158	....Responsive to speed
		159	.....Electric valve control
114	..Anticreep	160	.....Duty ratio control
115	..Transmission controlled by engine	161	....Transmission setting contingent
116	..Shift from neutral shock control	162	....Electric valve control
		163	....Electric valve control
117	...Pressure controlled	164	..Engine control linkage mounted on manual gearshift lever
118	..Engine (coast) braking	165	
119	...Electric valve control		
120	..By acceleration	166	CLUTCH CONTROL
121	..By input manifold pressure or engine fuel control	167	..With starter
		168	..With fluid drive
122	...Selector-type	169	..Speed responsive control
123	...With positive shift means	170	..With brake control
124	....With synchronization	171	..Clutch controlled
		172	...And brake controlled

173 ..Engine controlled
 174 .Condition responsive control
 175 ..Speed responsive
 176 ...Slip rate control
 177 ..Overload release
 178 ...Engine shut off
 179 .Electric clutch
 180 .Regulated clutch engagement
 181 .Engine controlled by clutch control
 182 **BRAKE CONTROL**
 183 .Sensed condition responsive control of engine of brake
 184 ..Brake
 185 ...And engine
 186 ...Speed or acceleration responsive
 187 ..Speed or acceleration responsive
 188 .Plural diverse brake means
 189 .Engine energy control having adjusting and holding device, with means on brake control to override holding device
 190 ..Holding device engaged by electric means
 191 ...Magnetic holding device
 192 ..Mechanical holding device engaged by mechanical means
 193 ...Device or means including a threaded shaft, rack or ratchet
 194 .Brake control having holding device, with means on engine control to override holding device
 195 ..Holding device responsive to motion, speed or acceleration
 196 ...Holding device comprising brake valve operated by solenoid
 197 ..Holding device engaged by electric means
 198 ...Holding device comprising brake valve operated by solenoid
 199 .Brake engaged when engine energy deactivated, brake disengaged when engine energy is activated
 200 ..Internal combustion engine
 201 ...Controls brake valve
 202 ...Vacuum actuated brake
 203 .Brake condition change modifies engine condition

204 ..Brake actuation interrupts ignition circuit of fluid engine
 205 ..Brake actuation decreases or eliminates fluid energy input to engine
 206 ...By closing throttle valve
 207 ...By preventing increasing operation of engine energy control
 208 .Decreasing fluid energy input to engine actuates brake
 209 .Control means selectively operates engine energy input and brake
 210 ..Foot operated control means
 211 ...Engine and brake control including interconnected elements
 212 ...Pivots and translates
 213Pivots about intermediate fulcrum
 214 ...Pivots about two fulcrums
 215 ...Pivots about intermediate fulcrum
 216 ...Lever reciprocates on moveable supports at both ends
 217 ...Pivots for sequential operation
 218 ..Control means including fluid passage

CROSS-REFERENCE ART COLLECTIONS

900 CONTROL SIGNAL IS VEHICLE WEIGHT
 901 CONTROL SIGNAL IS SLOPE
 902 CONTROL SIGNAL IS ENGINE PARAMETER OTHER THAN MANIFOLD PRESSURE OR FUEL CONTROL
 903 CONTROL SIGNAL IS STEERING
 904 CONTROL SIGNAL IS ACCELERATION
 905 .Acceleration of throttle signal
 906 MEANS DETECTING OR AMELIORATING THE EFFECTS OF MALFUNCTION OR POTENTIAL MALFUNCTION
 907 .Redundant
 908 IN SERIES TRANSMISSION

FOREIGN ART COLLECTIONS

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CLASS 477 INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL

FOR CLASS-RELATED FOREIGN DOCUMENTS