

		827	..With plural selectable speeds (e.g., manual switch)
	This Class 388 is considered to be an integral part of Class 318 (see the Class 318 schedule for the two positions of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 318.	828	.Armature control by digital or combined analog and digital circuitry
		829	..By pulse width or duty cycle modification
		830	.Analog armature control
		831	..By pulse width or duty cycle modification
800	CLOSED LOOP SPEED CONTROL SYSTEM FOR DC MOTOR WITH COMMUTATOR	832	..By frequency modification
801	.Field control, or field and armature control, by digital or combined analog and digital circuitry	833	..By voltage or current modification
803	.Field control, or field and armature control, by analog (only) circuitry	834	..By selection of windings
804	..By pulse width or duty cycle modification	835	..By control of motor structure
805	..By phase or frequency modification	836	...Position or number of brushes
806	..By voltage or current modification	837	..By periodic mechanical switch
807	...With variable impedance	838	..With plural selectable speeds (e.g., with manual switch, potentiometer)
808	..By selection of windings	839	...By selecting impedance
809	.Armature control by digital or combined analog and digital circuitry	840	...Resistive
811	..By pulse width or duty cycle modification	841	...Inductive
812	..By phase and frequency modification	842	CLOSED LOOP ACCELERATION CONTROL SYSTEM FOR DC MOTOR WITH COMMUTATOR
813	..By phase modification	843	.Field control, or field and armature control
814	..By frequency modification	844	.Armature control
815	..By voltage or current modification	847	..By voltage or current modification
816	.Analog armature control	848	OPEN LOOP ACCELERATION CONTROL SYSTEM FOR DC MOTOR WITH COMMUTATOR
819	..By pulse width or duty cycle modification	849	.Field control, or field and armature control
820	..By phase or frequency modification	850	..By transformer or inductive device
821	..By voltage and current modification	851	..By patterned switch
822	..By voltage modification	852	..By insertion of resistance
823	..By current modification	853	.Armature control
824	..By variable impedance (e.g., potentiometer)	854	..By voltage or current modification
825	OPEN LOOP SPEED CONTROL SYSTEM FOR DC MOTOR WITH COMMUTATOR	855	..By selectable or variable impedance
826	.Field control, or field and armature control	856	...By insertion of resistance or shorting of circuit
		857	...With relay
		858Time delay relay
		859	...With patterned switch
		860	...Manual

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900 **SPECIFIC SYSTEM OPERATIONAL
 FEATURE**

901 .Sample and hold

902 .Compensation

903 .Protective (e.g., voltage or
 current limit)

904 .Stored velocity profile

905 .Armature and field windings
 connected in series (i.e.,
 series motor)

906 .Proportional-integral system

907 **SPECIFIC CONTROL CIRCUIT ELEMENT
 OR DEVICE**

907.2 .Bridge circuit

907.5 .Computer or microprocessor

908 .Frequency to voltage converter

909 .Monitoring means

910 .Operational/differential
 amplifier

911 .Phase locked loop

912 .Pulse or frequency counter

913 .Saturable reactor, space
 discharge device, or magnetic
 amplifier

914 ..Thyratron or ignitron

915 .Sawtooth or ramp waveform
 generator

916 .Threshold circuit

917 .Thyristor or SCR

918 ..Trigger by unijunction
 transistor

919 ..Triggered by resistor or
 capacitor

920 ..Chopper

921 .Timer or time delay means

922 .Tuned or resonant circuit

923 **SPECIFIC FEEDBACK CONDITION OR
 DEVICE**

924 .Centrifugal device (e.g.,
 governor)

925 ..Including contacts which open
 and close motor circuit

926 ..Which controls a vacuum tube or
 solid-state device in motor
 circuit

927 ..Which varies resistance of
 motor circuit

928 ..Which controls position of
 commutator brushes

928.1 .Counter or back EMF (CEMF)

929 .Fluid/granular material flow
 rate, pressure, or level

930 .Load or torque

931 ..Electric generator or magnet as
 auxiliary load

932 ..With reverse torque (e.g.,
 braking)

933 .Radiant energy responsive device

934 .Thermal condition

935 **SPECIFIC APPLICATION:**

936 .Food preparation equipment

937 .Hand tool

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