3.21	VORTEX-FLOW DRIVE AND CLUTCH	219.1	Hill-holder
3.22	.With means to effect torque	219.2	One-way brake
	reversal	219.3	Ball or roller
3.23	.With brake	219.4	Emergency or parking brake
3.24	Alternatively operative clutch	219.5	Parking pawl
	and brake	219.6	With separate manual operator
3.25	.With additional drive or clutch	219.7	Foot operated
3.26	Simultaneously operative	220	Brake control affects
	clutches		transmission change
3.27	Alternatively operative	220.1	Brake application neutralizes
	clutches		transmission
3.28	.Including drive-lockup clutch	220.2	Park-lock device
3.29	Having fluid-pressure operator	220.3	Floor-mounted shift lever
3.3	With auxiliary source of	220.4	Solenoid operated lock
	pressure	220.5	Rotary bushing
3.31	Having speed-responsive	220.6	Override
	operator	220.7	Override
3.32	.Alternatively operative drive	221	Fluid operated
	and clutch	221.1	Brake and gearing at axle end
3.33	.Fluid-pressure operator for	222	Electromagnetic
	engaging clutch	223	.Torque-responsive brake
3.34	VORTEX-FLOW DRIVE AND BRAKE	223.1	Transversely engaged positive
3.51	TRANSMISSION CONTROL AND CLUTCH		brake
	CONTROL	223.2	Ball or roller type brake
3.52	.Planetary transmission and	223.3	With cam mechanism for axially
	coaxial clutch		moving brake member
3.53	Including separate, reversing	223.4	Wrap-spring brake
	pedal	224	.Belt or chain transmission
3.54	.Common control	224.1	Belt tensioner affects brake
3.55	Power-operated clutch		operation
3.56	Electromagnetically operated	224.2	Belt failure operates brake
3.57	Fluid-press operated	224.3	Belt shipper affects brake
3.58	Electrically triggered		operation
3.59	Vacuum operated	225	.Fluid operated
3.61	Stepped ratio transmission	226	.Electromagetic
3.62	With control lever	12 R	CLUTCH AND BRAKE
3.63	.Interrelated (e.g., with	13 R	.Vehicle type
	interlock)	13 A	Clutch-released brake holder
215	TRANSMISSION AND BRAKE	14	.Same member
216	.Internal resistance brake	15	.Automatic check and release
217	.Velocipede	16	Clutch and brake same member
217.1	Back-pedaling brake (e.g.,	17 R	.Peripheral brake
	coaster brake)	17 A	Fluid operator
217.2	Rotatable crank axle	17 C	Electric
217.3	Wheel hub	17 D	Coil
217.4	With change-speed	18 R	.Sliding operation
	transmission	18 A	Fluid operator
217.5	Plural sprockets	18 B	Electric and magnetic
217.6	With screw operator	19	.Crank control
217.7	Multidisc brake	12 A	.Internal resistance
218	.Motor vehicle	12 B	.One-way engaging
219	Transmission control affects	12 BA	Coil spring type
	brake	12 C	.Fluid operator

12 D	.Electric	45.011	Including bearing block
20	CLUTCH AND GEAR		between clutch races and
21	.Reversing	45 010	between balls or rollers
21.5	FIELD RESPONSIVE FRICTIONAL MEDIA	45.012	Spring integrally formed
0.0	TYPE	4E 013	<pre>with cagePlural integral springs</pre>
22	LATCH OPERATED	45.013	
23	.Corn-planter type	45 014	separate from cage
24	.Longitudinally moving	45.014	Spring and multipart cage
	transmission member	45.015	Spring mounted on
25	Pin	45 016	projection on cage
26	.Transversely moving transmission	45.016	Serpentine spring
	member	45.017	Including separating means
27	Ball or roller	45 010	on clutch race
28	Positive	45.018	Spring biased ball or
29	Rotating key	45 010	roller
30 R	CLUTCHES	45.019	By other than circular
31	.Automatic	45 00	helical spring
32	Manual control	45.02	Including separate force
33 R	Definite-position release		transmitting element between
33 C	Coil		spring and ball, roller, or
34	Shaft thrust	4 = 1	race
35	Pilot mechanism	45.1 45.2	Wedging pawl or block
36	Brake band		Two-point gripper
37	Transversely moving	46	Positive
38	Ball or roller	47	Manual control
39	Positive	41 S	Spring
40	Electric	41 A	Sprags
41 R	One-way engaging	48.1	.Plural clutch-assemblage
42	Free-engine type	48.2	Including electrically actuated
43	Reversible	40.2	clutch assemblage
43.1	Pivoted pawls	48.3	Diverse clutch-assemblages
43.2	Slidable pawls	48.4	Including three or more
44	Ball or roller	40 5	assemblages
45.001	Ball or roller	48.5	Including one clutch-
45.002	Roller has non-spherical,		<pre>assemblage having interdigitated clutch-elements</pre>
	non-cylindrical force	40 6	_
	transmitting surface	48.6	And another clutch-assemblage having unirotationally
45.003	Plural ball or roller sizes		engaging clutch elements
	or shapes	48.601	Having fluid pressure operator
45.004	Plural balls or rollers of	48.602	Operator rotatable relative to
	same shape and size	40.002	its clutch-assemblage
45.005	Received in recesses in each	48.603	Operator coaxial with its
	of two cooperating clutch	40.005	clutch-assemblage
	races	48.604	Common or interconnected
45.006	Including cage	40.004	operator(s)
45.007	Including axle for ball or	48.605	Operator between clutch-
	roller	10.003	assemblages
45.008	Balls or rollers spring	48.606	Axially spaced coaxial
	biased toward engaged state	10.000	clutch-assemblages
45.009	Including speed-responsive	48.607	Axially spaced coaxial
	biasing mechanism	10.007	clutch-assemblages
45.01	Biased cage		acon accommenged

48.608	Plural fluid pressure	53.331	Blocker on axially extending
	operators forming nested		stepped pin
	pistons	53.332	Resilient detent pin
48.609	Axially spaced coaxial clutch-	53.34	Outward tooth or lug on
	assemblages		friction member
48.61	Plural fluid pressure	53.341	With thrust member
	operators forming nested	53.342	Resilient thrust bar
	pistons	53.343	Resilient expander ring
48.611	Operator coaxial with its	53.35	Inward tooth or lug on
10 (10	clutch-assemblage		friction member
48.612	Common or interconnected operator(s)	53.36	Radially movable blocker
48.613	Operator between clutch-	53.361	Detent acts as blocker
10.015	assemblages	53.362	Rocker lever actuates friction clutch
48.614	Operator between clutch-	53.363	Radially movable friction
	assemblages	33.303	element acts as blocker
48.615	Radially acting operator	53.364	Resilient friction element
48.616	Plural fluid pressure	53.4	Lock for positive clutch
	operators forming nested	53.5	Axially projecting positive
	pistons		clutch
48.617	At least one operator coaxial	53.51	Cylindrical pin
	with its clutch-assemblage	53.6	Transversely moving positive
48.618	Operator coaxial with its		clutch
40 610	clutch-assemblage	54.1	.Torque responsive
48.619	<pre>Radially spaced coaxial   clutch-assemblages</pre>	54.2	Hub clutch
48.7	With means to actuate or	54.5	Cam operated
40.7	deactuate clutch-assemblages	54.51	Screw operated
	sequentially	54.52	Ball or roller type
48.8	Associated with three or more	55.1	With overload release coupling
	shafts	55.2	With flexible shaft coupling permitting limited relative
48.9	Alternatively operative		rotation
	assemblages	55.3	Separate resilient member
48.91	Having common clutch-element	55.5	between clutch element and its
	support		shaft
48.92	Including unirotationally	55.4	Fluid damper
	engaging clutch-elements	55.5	Coil spring coaxial with
49	Parallel vehicle wheels		rotation axis
50	Free wheel	55.51	Radially overlapping
51 52.1	Reversing		convolutions
52.1	.Progressive engagementSurface area	55.6	Plural resilient members
52.2	Yielding	55.61	Coil springs with center
52.4	Variable force		line spaced from rotational
52.5	Initial engagement causes	55.62	axis
32.3	increase in applied force	33.62	Center line of coil springs parallel to rotational axis
52.6	Yielding	55.7	Coil spring with center line
53.1	Frictional and positive	55.7	spaced from rotational axis
53.2	Magnetic or electromagnetic	56.1	Overload release
	operated friction clutch	56.2	Coil
53.3	With blocker	56.3	Fluid-operated clutch
53.31	Self-energizing	56.31	Axially engaged
53.32	Interposed friction members	56.32	Positive
53.33	Member extending axially	56.33	Ball or roller
	between friction surfaces	56.4	Magnetic or electromagnetic

56.41	Axially engaged	64	.Velocipede free wheel
56.42	Positive	65	.Axially and transversely
56.43	Ball or roller	0.5	engaging
56.5	Clutch elements remain	66.1	.Axially engaging
33.3	disengaged after overload	66.2	Conical or frustoconical
	corrected	66.21	Plural radially spaced
56.51	Having separate latch to hold	00122	surfaces
	clutch elements disengaged	66.22	Spring engaged
56.52	Axially engaged	66.23	Spring released
56.53	Positive	66.3	Planar radially extending
56.54	Ball or roller	66.31	Spring engaged
56.55	Axially engaged	66.32	Spring released
56.56	Positive	69	Positive
56.57	Ball or roller	69.1	Pivoting positive clutch
56.6	Axially engaged		element
56.61	Positive	69.2	Plunger disconnect
56.62	Ball or roller	69.3	Pilot pawl
54.3	Fluid operated	69.4	Wheel hub clutched to axle
54.4	Magnetic or electromagnetic	69.41	Fluid pressure
57	.Fluent material and mechanical	69.42	Electromagnetic
58.1	.Fluent material	69.43	Manual
58.2	Fluid	69.5	Ball or roller
58.3	Vane clutch	69.6	Cylindrical pin
58.4	Viscous shear	69.61	Axial pin on only one member
58.41	Multiple plate	69.62	Pin engages aperture in
58.42	Variable gap or volume		other member
58.43	Variable gap or volume	69.63	Radial pin
58.5	Separate reservoir	69.7	Axial-radial
58.6	Automatic regulation	69.71	Axially extending projection
58.61	Magnetic or electric		engages aperture
58.62	Temperature and speed	69.8	Axial-axial
58.63	Temperature	69.81	Sawtooth
58.64	Coolant and clutching	69.82	Square tooth
	medium	69.83	With lead-in
58.65	Ambient and clutching	69.9	Radial-radial
	medium	69.91	Outward projection on movable
58.66	Ambient and coolant		member
58.67	Clutching medium	70	Spreading
58.68	Ambient	70.11	Interposed, mating clutch-
58.681	Bi-metallic		elements
58.682	Spiral	70.12	With means to cool or
58.683	Resilient or adjustable		lubricate clutch parts
	mounting feature	70.13	With removable or replaceable
58.684	Mounting feature		or interchangeable clutch
58.7	Pump-out feature		parts
58.8	Specific valve	70.14	Including surface
58.9	Radial vane		characteristics of clutch-
58.91	Vanes on inner member	E0 15	element
58.92	Spring-biased	70.15	Axially tapered mating
59	Axially movable piston	70 10	surfaces
60	Transversely movable piston	70.16	With torque connection between
61	Gear-pump type	70 17	clutch-element and its shaft
62	.Plow-lifting type	70.17	Resilient torque connection
63	.Free-engine type		(e.g., for damping vibration)

70.18	Including chordally disposed connection	84.6	Rotary electric motor is clutch actuator
70.19	Axially slidable connection	84.7	Mechanical force increasing
70.2	Spline connection for		means
	multiple clutch-elements	84.8	Operator for transversely
70.21	With means to move multiple		engaging elements
	clutch-elements axially and	84.81	Coil spring
	sequentially	84.9	Operator for axially engaging
70.22	With means to move clutch-		elements
	element axially and latch into	84.91	Interposed friction elements
	engaged or disengaged position	84.92	Positively engaging elements
70.23	With cam or wedge contacting	84.93	Magnetic flux path spaced
	clutch-element or pressure		from engaging elements
	plate for axial movement	84.94	Specified torque transmitting
	thereof		spring
70.24	By cam surface on bell-crank	84.941	Nonmetallic
70.251	With adjustable means to move	84.95	With slip rings
	clutch-element axially (e.g.,	84.951	With pulley or gear
	to compensate for wear)	84.96	Fixed concentric coil
70.252	Automatic	84.961	With pulley or gear
70.26	Including plural adjusting	85.01	Fluid pressure
	screws (e.g., to equalize	85.02	Operator force derived from
	pressure angularly)	03.02	clutch input or output
70.27	With spring means to move	85.03	Elastic (e.g., diaphragm,
	clutch-element axially	03.03	pneumatic tube)
70.28	To separate engaged clutch-	85.04	Rotating with clutch input or
	elements	03.04	output
70.29	And actuator lever pivoted on	85.05	And causing purely axial
	pressure plate	05.05	movement
70.3	With actuator lever pivoted on	85.06	Including flexible friction
	pressure plate or back plate	03.00	discs
	to move clutch-element axially	85.07	Plural oppositely acting
	.Transversely engaged	83.07	elastic operators
71	Positive	85.08	Clutch has flat friction
72	Interior and exterior	65.06	surfaces
73	Opposing	85.09	More than two friction
74	Interior	85.09	elements
75	Expanding	85.1	
76	Radial	03.1	Plate or diaphragm spring
77	Split ring	85.11	release
78	Cam operated	03.11	Clutch has positively
79	Exterior	OF 10	engaging clutch members
80	Strap	85.12	And causing purely radial
81 R	Multiple folds	OF 13	movement
81 C	Coil	85.13	Elastic operator integral
82 R	.Operators		with radially outer clutch member
83	Multiple for same clutch	OF 14	
84.1	Electric or magnetic	85.14	Rotatable relative to clutch
84.2	Plural coils	05 15	input and output
84.21	Plural armatures	85.15	And causing purely axial movement
84.3	Including permanent magnet	85.16	
84.31	And electromagnet	03.10	And causing purely radial movement
84.4	Electrostatic	0	
84.5		85.17	Piston and cylinder operator
	Air gap adjustment		rotating with clutch input or
84.51	Automatic		output

85.18	Positive clutch	85.47	Having radially displaceable
85.19	Friction clutch		friction surface
85.2	Having friction elements movable axially only	85.48	Operator rotatable relative to clutch input and output
85.21	Having conical or	85.49	And aligned with clutch axis
03.21	frustoconical friction	03.15	of rotation
		0 E E	
05 00	surfaces (e.g., cone clutch)	85.5	Operator acts on clutch
85.22	Plural radially spaced		through push rod extending
	frustoconical surfaces		coaxially through input or
85.23	Having flat friction		output shaft
	surfaces	85.51	Operator acts on clutch via
85.24	More than two friction		diaphragm spring or lever
	elements	85.52	Pull-to-release type clutch
85.25	Including balance chamber	85.53	Details of fluid operator
85.26	Cam mechanism between	85.54	Having particular seal
	piston and friction element	85.55	Details of master cylinder
85.27	Auxiliary exhaust or	85.56	Operator spaced from and
03.27	relief passage from piston	03.30	parallel to clutch axis of
	chamber		rotation
85.28	Fluid escape from piston	85.57	Fluid released clutch
	chamber by rotation-induced	85.58	By vacuum
	pressure	85.59	Details of fluid operator
85.29	In piston	85.6	Details of master cylinder
85.3			
	Valve in passage	85.61	Cooling or lubricating
85.31	Valve in passage	85.62	Having wear compensator
85.32	Variable fluid contacting	85.63	Including fluid pressure
	piston area		control
85.33	Axially stationary	89.1	Weight operated
	piston, moving cylinder	89.2	Spring engaged
85.34	Cushioning element	90	Electric release
	between piston and friction	89.21	Cam release
	element	89.22	Belleville disc spring
85.35	Operator acts on friction	89.23	Push-type
	elements via diaphragm spring	89.24	Pull-type
	or lever		<del></del>
85.36	Electric or magnetic	89.25	Geometric configuration
03.30	release	89.26	Plural coil springs spaced
05 27	1010020		from clutch axis
85.37	Fluid released clutch	89.27	Coil spring coaxial to clutch
85.38	And fluid pressure		axis
	engaged	89.28	Transversely engaged
85.39	Spring released clutch	89.29	Quick throw spring
85.4	Release spring between	92	One-direction apply and release
	discs	93 R	Cam
85.41	Coil spring	93 A	Axially thrusting cams
85.42	Encircling clutch axis	JJ 11	rotatable about clutch axis
	of rotation	93 B	Axially moving cam acting on
85.43	Having particular	93 Б	
	friction element structure	00 0	pivoted lever
85.44		93 C	Axially moving cam acting on
03.44	seal		transversely moving wedge or
05 45			clutch member
85.45	Piston has interrupted	94	Screw
	engagement face	95	Handwheel
85.46	Piston has non-planar	96	Central pin
	engagement face	97	Screw operated
		98	Shipper saddles

99 R	Lever systems	103 FA	Fluid pressure engaged with
99 A	Levers mounted on axially		centrifugal valve
	engaging clutch	82 P	Rack and pinion operator
99 B	Levers mounted on transversely	82 T	Temperature operator
00 0	engaging clutch	30 W	.Warning, indicating, and signal
99 S	Stationary levers	20.17	devices
100	Follow-up	30 V	.Vibration dampers
101	Releasing		ELEMENTS
102	Check of driven member	200	.Clutch element resiliently
103 R	Speed responsive	0.04	carried on hub
104 R	Fixed-speed release	201	Speed-responsive
104 B	Transversely engaged-interior	202	Manually adjustable
104 C	Transversely engaged-exterior	203	Coil spring detail
104 F	Fluid clutches and operators	204	Specified bushing
105 R	Fixed-speed engagement	205	Separate seat detail
105 A	Centrifugal (fluid or powder) nonpivoted weights (radially	206	Relatively axially movable hub sections
	movably or slidable) i.e.,	207	Circumferential resilience
	mercury clutch	208	With fluid damping
105 B	Axially engaged with	209	Nonmetallic
	nonpivoted weights-weights	210	Interposed friction element
	movable radially or slidable	210.1	Biasing means
105 BA	Transversely engaged with	211	And coil spring
	nonpivoted weights	212	Coil spring
105 BB	Transversely engaged positive	213	Plural helical coil spring
	with nonpivoted weights		damping stages
105 C	Axially engaged with pivoted	213.1	Plural axially spaced
	weights		springs
105 CP	Weights pivoted on axis	213.11	Interposed friction element
	parallel to clutch axis-	213.12	Biasing means
	axially engaged	213.2	Plural radially spaced
105 CS	Single pair clutching		springs in a common radial
	elements axially engaged with		plane
	pivoted weights	213.21	Interposed friction element
105 CD	Transversely expanding clutch	213.22	Biasing means
	with pivoted weights	213.3	Interposed friction element
105 CE	Transversely engaged-pivoted	213.31	Biasing means
	weights and clutching elements	214	Interposed friction element
	movable separately	214.1	Biasing means
105 CF	Transversely contracting	107 R	.Engaging surfaces
105 F	Fluid controls for	108	Positive
	centrifugal clutches	107 M	Material
106 R	Release	107 T	Transversely engaging
106 F	Devices to prevent fluid	107 C	Clutch plate axially
	clutches from being operated		compressible
	by centrifugal forces acting	109 R	.Thrust members, retarders, and
	on fluid		stops
103 A	Centrifugal operated, axially	109 A	Resilient operators and
	engaged		pressure plates
103 B	Centrifugal operator	109 B	Resilient backing plates
	transversely engaged	109 F	Cushioning devices for fluid
103 C	Acceleration and inertia		operators
	responsive	109 D	Dashpot
103 F	Fluid operated		-

110 R	.Shafts, bearings, and adjusting	113.35	With change of coolant flow
110 D	devices	112 26	during disengagementGrooved surfaces
110 B	Bearings	113.36	
110 S	Shafts for removable clutches	113.4	Thermal insulating
	or discs	113.5	Lubrication of ancillary clutch
111.1	.Wear compensators		parts
111.11	Compensator in actuating	114 R	.Locks
	mechanism outside of the	114 T	Interlocking clutch teeth or
	clutch (EPO)		splines
111.12	Automatic	115	.Supports
111.13	Compensator in or near release	116.5	STOP MECHANISM
	bearing (EPO)	125 R	.Material control
111.14	Automatic	126	Sheet material
111.15	Compensator on or inside clutch	127	Electrical
	cover (e.g., acting on	128	Pneumatic
	diaphragm or pressure plate)	125 A	Power stop-material control-
	(EPO)		electrical
111.16	Automatic	125 B	Mechanical
111.17	Worm mechanism	125 C	Pneumatic
111.18	Relatively rotatable cam	125 D	Granular material
	rings	125 E	Work start
111.19	Between cover and diaphragm	125 F	Length of material stop
	spring	129 R	.Safety device
111.2	Between diaphragm spring and	130	Hand protector
	pressure plate	131 R	Two hand
111.3	Having clearance sensor	131 K	
	bridging gap between clutch		Hand and foot
	members and moveable only	132	Delayed action drive
	during engagement	133	Automatic guard
111.4	Having clearance sensor	134	Punch-press type
	bridging gap between clutch	135	Cover
	members and moveable only	136	Centrifugal-machine type
	during engagement	137	Disabled transmission
111.5	Relatively rotatable cam rings	129 A	Electrical
111.6	Threaded element centered on	129 B	Pneumatic
	clutch axis	138	.Limit stop
111.7	Threaded in clutch cover	139	Rotary-member control
112	.Casings	140	Speed responsive
113.1	.Lubricating, insulating, or	141	Screw
	cooling	142 R	Electrical
113.2	Air cooling	142 A	Radio tuner type
113.21	Heat radiating structure	143	Reciprocating-member control
113.22	Grooved surfaces	144	.Drive release and brake
113.23	Air directing structure	145	Multiple clutch
113.24	Rotating cover	146	Change speed
113.25	Spring	147	Speed responsive
113.26	Clutch plate	148	Positive stop
113.20	Liquid cooled or lubricated	149	Cushioned
±±J.J	clutch surfaces	150	.Overload release
113.31	Entire coolant path is spaced		
11J.JI	from clutch surfaces		
113.32	Overrunning clutch		
113.32	Positive	FOREIGN	ART COLLECTIONS
113.33	Lubricant or coolant between		<del></del>
11J.J4	engaging surfaces	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
	3 3 3		

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

## **CLUTCHES** (192/30)

- .Operators (192/82 R)
- FOR 100 .. Electric (192/84 R)
- FOR 101 TRANSMISSION CONTROL AND BRAKE (192/4 R)
- FOR 102 .Back-pedaling brake (192/5)
- FOR 103 ... Hub brake (192/6 R)
- FOR 104 ...With change speed transmission (192/6 A)
- FOR 105 ... Rotatable axle (192/6 B)
- FOR 106 .Automatic brake (192/7)
- FOR 107 ..Responsive to drive release (192/8/R)
- FOR 108 ... Cable (192/8 A)
- FOR 109 ...Coil brake (192/8 C)
- FOR 110 .Electric control (192/9)
- FOR 111 .Belt shipper (192/10)
- FOR 112 .Belt tightener (192/11)
- FOR 113 .Automatic type (192/4 A)
- FOR 114 .Internal resistance brake (192/4
- FOR 115 .Forward and reverse gearing (192/4 C)

## CLUTCHES (192/30)

- .Axially engaging (192/66.1)
- ..Interposed, mating clutchelements (192/70.11)
- FOR 116 ...With adjustable means to move clutch-element axially (e.g., to compensate for wear) (192/70.25)

## ELEMENTS

- FOR 117 .Wear compensators (192/111)
  CLUTCHES (192/30)
  - .Operators (192/82 R)
- FOR 118 .. Fluid pressure (192/85 R)
- FOR 119 ...Double acting (192/86)
- FOR 120 ...Multiple clutches (192/87.1)
- FOR 121 ....Having independent operators (192/87.11)

- FOR 122 .....Responsive to rotational speed of clutch-element (192/87.12)
- FOR 123 .....With selective distributor for fluid pressure (192/87.13)
- FOR 124 ....Alternatively operative clutches (192/87.14)
- FOR 125 .....Clutches coaxial with operators (192/87.15)
- FOR 127 .....Operator between clutches (192/87.17)
- FOR 128 .....With selective distributor for fluid pressure (192/87.18)
- FOR 129 ..... Having neutral position (192/87.19)
- FOR 130 ...Flexible motor (192/88 R)
- FOR 131 ....Flexible fluid motor-axially engaged (192/88 A)
- FOR 132 ....Radially engaged (192/88 B)
- FOR 133 ... Axially engaging-rotating motor and clutch (192/85 A)
- FOR 134 ...Axially engaging clamping rotating motor and clutch (192/85 AA)
- FOR 135 ... Axially engaging spreading rotating motor and clutch (192/85 AB)
- FOR 136 ...Transversely engaging rotating motor and clutch (192/85 AT)
- FOR 137 ...Clutch and nonrotating motor (192/85 C)
- FOR 138 ...Clutch and nonrotating motor (192/85 CA)
- FOR 139 ...Centrifugal fluid clutches (192/85 F)
- FOR 140 ... Vacuum clutches and operators (192/85 V)
- FOR 141 ...Fluid release (192/91R)
- FOR 142 ....Motor concentric with clutch shaft (192/91 A)
  - .Automatic (192/31)
  - ..One-way engaging (192/41 R)
- FOR 143 ...Ball or roller (192/45)

## **DIGESTS**

- DIG 1 REMOVABLE MEMBERS
- DIG 2 UNIVERSAL JOINT