

1	THERMAL RELEASER OR ACTUATOR	33	CLOSURE SHIFTABLE TO PIT OR
2	.Nonfusible		OBSTACLE BRIDGING POSITION
3	.Common fuse releases closures for plural openings	34	DISTORTABLE; E.G., FLEXIBLE
4	.Pull cable with fusible connection	35	STRAND-TYPE BARRICADE
5	.Terminates counterweight condition	36	CHECK OR KEY CONTROLLED
6	..Overbalanced by released weight supplementing counterweight	37	CONTINUOUS CLOSURE OPENING IN
7	.Fusible closure latch or retainer	38	INTERSECTING BARRIERS
8	..Fusible connector disengages pawl or catch	39	CONVERTIBLE
9	IMPACT ABSORBING FLEXIBLE BARRICADE	40	REGISTERABLE OPENING IN FACIALLY
10	FLOOD ACTUATED	41	OPPOSED CLOSURE AND BARRIER
11	.Float or vane controlled latch release	42	.Radially positioned
12	.Axially pivoted picket pole	43	CONVEX OR CONCAVE CLOSURE AND
13	CLOSURE CONDITION SIGNAL OR INDICATOR	44	OPENING
14	.Indicator at remote station	45	ARCuate CLOSURE ROTATES ACROSS
15	JAIL-TYPE CLOSURE WITH REMOTE CONTROL STATION	46	ARCuate OPENING
16	.Additional key or combination control of individual closure	47	PLURAL WINGS RADIATE FROM COMMON
17	.Enclosure for remote control	48	PIVOT; I.E., REVOLVING
18	.Motor operated control	49	.With speed regulator
19	.Rotary gang bar	50	.Wings fold for through passage
20	.Ganged closures with selector means	51	..Move laterally of opening
21	RESPONSIVE TO OR DIRECTLY ACTUATED BY AMBIENT FLUID	52	.Successive position-type; e.g., turnstile
22	.Fluid softenable or soluble latch release	53	..Drop-arm type
23	.Water accumulator-type	54	WITH SECTION FOR HAND SIGNALLING
24	WITH MASTER CONTROL FOR INDIVIDUALLY CONTROLLED CLOSURES	55	WITH TRAFFIC DIRECTOR OR
25	RADIANT ENERGY CONTROL	56	CONTROLLER; E.G., ONE-WAY
26	SAFETY MEANS RESPONSIVE TO OBSTRUCTION TO CLOSURE	57	WITH PROTECTIVE GRILLE OR SAFETY
27	.Sensing shoe on leading edge	58	GUARD
28	.Closure drive stopping or reversal	59	.Facing interconnected movable louvers
29	TIME CONTROLLED	60	.Closure operator extends through grille
30	.Predetermined delay governs start of closure movement	61	..Swinging handle actuator
31	CONDITION RESPONSIVE CONTROL	62	.Carried by closure to vacated opening
32	INITIAL MANUAL DISPLACEMENT ENERGIZES MOTOR DRIVE; E.G., TOUCH PLATE INITIATOR	63	.Adjustable to various size opening
		64	.Moves relative to primary closure
		57	.Removable
		58	WITH ANIMAL BLOCKER REPELLER OR CHASER
		59	.Electrically charged
		60	.Actuated by closure movement
		61	FACIALLY OPPOSED PRIMARY AND AUXILIARY CLOSURE FOR COMMON OPENING
		62	.Auxiliary movable or removably mounted on primary
		63	.Auxiliary mounted for movement
		64	..Of interconnected movable louvers

65	..Connected for movement with primary	101	..Lever interconnected
66	...Sliding primary imparts swinging movement	102	..Cable interconnected
67	..Pivoted	103	.Sequential movement
68	SEQUENTIAL CLOSURES FOR PASSAGEWAY	104	.Closures mounted for swinging
69	MAIN CLOSURE ACTUATES SUPPLEMENTAL CLOSURE FOR TRACKWAY	105	..Treadle or treadle bar interconnector
70	COMBINED	106	...Common interconnector actuated from opposite approaches
71	WITH SIDE PANELS; E.G., AWNING	107	..Geared, interconnector or interconnector operator
72	WINDOW POSITION OR MOVEMENT INTERRELATED WITH DOOR LATCH	108	...Drives lever pivoted on closure
73.1	CLOSURES INTERCONNECTED FOR CONCURRENT MOVEMENT	109	..Link or link system interconnector
74.1	..Louver-type closures (e.g., slats or panels)	110	...With operator or energy stored opening means
77.1	..Distinct groups of louver-type closures	111	....Allochiral link system from closures to input connection
79.1	..Manipulation of control louver panel connects or disconnects remaining louver panels	112	.....Input acts at pivot of diverging links
80.1	..Louver panels move sequentially or independently	113	.....Links sliding carriage mounted
81.1	..Multidirectional louver panel movement	114	...Actuating force applied through one closure to other closure
82.1	..Geared, interconnector or operator	115	..Cable interconnector sheaved on closure pivots
86.1	..Cable, interconnector or operator	116	.Opposed similar movement
87.1	..Operating system includes a handle	117	..With actuator on opposite approaches
89.1	..Operating system includes biasing means	118	..Motor driven
90.1	..With position holder for operating system	119	..Counterbalance effect derived from opposed closure
91.1	..With weather seal feature	120	...Bipartite, center-opening type; e.g., elevator door
92.1	..Specific louver structure	121	...Cable interconnected
93	..Closures on opposite approaches to crossing	122	..Lever interconnected
94	..Closures on opposite or angularly related barriers	123	..Cable interconnected
95	..Closures in spaced openings along barrier	124	EXTENSIBLE BAR SECTIONS MOUNTED FOR MOVEMENT TO FACIALLY STACKED POSITION
96	..Levers acting between interconnector and closures	125	.From vertical to horizontal overhead stacked position
97	...Rock shaft interconnector	126	.From collinear to stacked position
98	..One closure with complete independent movement	127	COLLINEAR CLOSURES, ONE MOVES TO OFFSET POSITION
99	..Counterbalancing closures with adjustable or detachable cable interconnector	128	.Moved closure has additional movement
100	..Moves at different speeds	129	.Horizontal sliding
		130	CLOSURE SURFACE MOVED TO INOPERATIVE POSITION FLUSH-WITH-GROUND
		131	

132	.Treadle actuated	163	.One closure movable separately from or with other closure
133	..Actuation raises closure to blocking position	164	..Closure slide within swingable frame
134	...Treadle on opposite approaches	165	...Divided frame with pivoted section
135	WITH WIND VANE OR SAIL	166	..Upper closure mounted on horizontally swinging closure; e.g., sliding window on swinging door
136	SINGLE ACTUATOR SELECTIVELY MOVES INDIVIDUAL CLOSURES	167	...Power conduit for upper closure extends across hinge
137	UNITARY OR INTERRELATED FLUID OPERATOR AND CLOSURE CHECK	168	..Plural independently mounted movable closures
138	WITH MEANS TO VARY OPENING SPAN OR SPEED DURING MOVEMENT	169	..Within encompassing closure
139	OPTIONALLY MOVED, MANUALLY, OR BY MOTOR	170	...With common edge
140	.With manually actuated operator	171	...Viewing, ventilating, or packet passage
141	WITH SPECIFIED MEANS TO EFFECT EMERGENCY RELEASE TO CLOSURE	172	.Edgewise separable stile-slide supports closure for vertical swinging
142	PLURAL CLOSURES, EACH WITH INDEPENDENT DIVERSE MOVEMENT	173	..Coil spring bias coaxial of closure pivot
143	.One sliding and other swinging	174	.Edgewise retractable bearing acting between closure and portal frame
144	..One slides up to close, other vents about vertical axis	175	..Towards closure
145	..One slides vertically, other swings about horizontal axis	176	.Pivot mounted on sliding member; e.g., slide-stile
146	VERTICALLY RECIPROCAL, ADDITIONAL SIDWARD VENTING MOVEMENT FROM CLOSED POSITION	177	..Vertical axis pivot
147	CLOSURE HANGS ON FLACCID CONNECTOR	178	...With free stile slide-portal latch
148	DISPARATE SUPPORT FOR DISPLACED CLOSURE	179	...Displaceable stop strip
149	MOUNTED FOR OPTIONAL MOVEMENTS	180	...Free stile slide-closure latch, closure carried
150	.Common counterbalance for sliding and swinging movements	181	..Vertical position holder actuated by pivoting closure
151	..Cable guide changes direction of counterbalancing force	182	..Diagonally opposed stop flanges on stile slide or closure
152	.One movement multidirectional	183	..Key or latch between closure and stile slide
153	..Swings on link	184	...Longitudinal key
154	...Other movement is sliding on link at balance point of closure	185	...Retractable edgewise towards closure
155	...Other movement is sliding within portal frame	186	...Cap-type latch
156	..Slides on pivoted support, other movement is relative vertical adjustment	187	..Link-brace between closure and stile slide
157	..Other movement is vertical sliding	188	.Separable hinge permits sliding of closure
158	.Mounted on rod for sliding or swinging	189	..Retractable portion
159	..With latch for sliding movement	190	.Means adjusting closure vertically on vertical support pivot
160	...Rod latch	191	..Angularly adjusted about horizontal pivot
161	.Pivoted closure within framework of double hung sash		
162	..Vertical axis pivot		

192	.On alternative axes	227	..Permits movement from housing to raised closed position
193	..On opposite ends of closure	228	..Gravitates on tilted track
194	.Movable or removable guide	229	...Oscillating track
195	..Pivoted	230	....Sectional or nonlinear
196	...Closure swings with guide	231	...Pendant closure
197	UP-AND-OVER TYPE; E.G., MOVES FROM VERTICAL TO WITHDRAWN HORIZONTAL OVERHEAD POSITION	232	..Swings on coplanar pivotal link arm
198	.Independently movable closure sections	233	...Longitudinal-spaced parallel links
199	..With operator	234	..Closure actuated vertically to retard horizontal travel
200	..And counterbalance	235	...By track roller-closure displacement
201	.Upward sliding followed by distinct swinging	236	.One direction imparts gravitational bias to swinging closure; e.g., rising hinge
202	..Pivoted guide	237	..Biased by inclined cam and descending slide or roller
203	..On lever or link	238	...Shiftable cam
204	..Pivoted at closure	239	...Mating inclined cam and slide surfaces
205	...Multiple links angularly related	240	..Shiftable pivot
206	...Actuating spring codirectional with or acts on links	241	...On crank arm
207	SUPERIMPOSED CLOSURES, INDEPENDENT EDGEWISE MOVEMENT TO SIDE OF OPENING	242	...Mounted on eccentric or lever
208	MOUNTED FOR MULTIDIRECTIONAL OR OBLIQUE MOVEMENT	243	....Pivot on hinge post cap lever
209	.Initial or terminal movement transverse to sliding movement edgewise of portal	244	....Pivot on vertically oscillating lever
210	..Common operator for both movements	245	...Pivot pin shifted in slot
211	..Transverse movement aligns closure for movement into housing	246	.Swings on plural axes; e.g., pivotal link arms
212	..Transversely movable track	247	..Axes normal to each other
213	..Skewed track	248	..Multiple links angularly related
214	...Separate track section for rear of closure	249	...One link jointed
215	...Rear of closure moves transversely on crank arm	250	..With additional slide guiding closure movement
216	..Moves transversely on link	251	...Friction slide mount; e.g., biased
217	...Closure pivoted to tilting link-carriage	252	...Guide on portal frame
218	...Crank arm-type link	253	..Link at closure balance point
219	....Paired sets of crank arms	254	.Sequential translation and swinging
220	.....Operator interconnected with sets	255	..Operated vertically to permit horizontal swinging
221	..Closure carried by track-mounted carriage	256	...Camming lever
222	...Tiltable carriage	257	..Translation shifts pivot axis
223	..Closure hinged to carriage	258	..Translates on pivoted axis
224	...Inclined transverse movement	259	...Supporting frame extends laterally of its pivot
225	...Terminal cam	260	.Pivot axis moves along guide
226	.In plane of closure; e.g., oblique	261	.Swings about seat on portal frame; e.g., indeterminate axis

262	VEHICLE ACTUATED ROLLER OR CARRIAGE OR CARRIED COOPERANT	294	...Duplicate links release common latch
263	TREADLE OR IMPACT INITIATED OPERATOR	295	...Crank link-type interconnector
264	.Switch in approach to closure	296	...Bell crank-type interconnector
265	.Fluid controller in approach to closure	297	...Latch train includes closure mounted cable guide
266	.With alternative hand operator	298	...Link system interconnector
267	.Two-stage operator	299	...Allochiral actuators to common latch release
268	.Sequential initiators for latch release and operator	300	.Common input, diverse trains to latch and closure mover
269	.Spaced open and close initiators on opposite sides of closure	301	.One direction pull cable-type
270	..Plural interconnected paired initiators	302	.Actuator at remote station
271	..Releases latch from either side	303	CLOSURE MOVEMENT ACTUATED RETRACTABLE SEALING, GUIDING OR LOCKING STRIP
272	..Releases latch	304	.Strip mounted on sill
273	..Load maintained, self-returning	305	..Interengages strip on closure
274	..Spring return	306	.Strip movement in plane of closure
275	CLOSURE MOVED BY STEP-BY-STEP OPERATOR	307	..Horizontally reciprocating plunger actuator
276	STARTER-TYPE OPERATOR; E.G., SEAL BREAKER	308	...Lever interconnects or cams strip
277	.Lever actuator engages strap- fastener or longitudinally shiftable bar	309	..Oblique movement
278	.Handle-camming lever	310	.Resilient means swings strip to retracted position
279	OPERATOR INTERRELATED WITH CLOSURE LATCH RELEASE	311	..Offset or lever actuator, axis parallel to strip axis
280	.Motor driven	312	...Spring coaxial or strip axis
281	.Common actuator, different movements to unlatch and move closure	313	..Deflector in path of strip
282	.Actuator or opposite approaches	314	...Jamb mounted
283	..Latch for diverse positions of closure, separate trains	315	.Weight or gravity biased to retracted position
284	..Latch train and closure operator train from diverse points on actuator	316	OPERATOR FOR RETRACTABLE SEALING, GUIDING OR LOCKING STRIP
285	..Lever interconnector, separate trains to latch and closure mover	317	.Opposed strips actuated concurrently
286	..Force applied at closure pivot releases latch	318	..With interconnected strip on adjacent side
287	...Geared	319	.Interrelated with closure latch
288	...Sheaved	320	.Rotating shaft normal to plane or strip movement
289	..Closure or latch interposed in endless or looped cable	321	.Includes lever
290	..Lost motion branched cable	322	WITH SAFETY BRAKE OR CATCH
291	..Lost motion pin or lever and slot	323	CLOSURE GUIDED FROM HOUSING BY RETRACTABLE SUPPORT
292	..Lost motion cam drive	324	WITH OPERATOR FOR MOVABLY MOUNTED CLOSURE
293	..Closure moving force applied through latch releaser	325	.Reversibly flexible and rigid rod
		326	.Moves closure in either direction from closed position
		327	.Actuated from opposite approaches

328	..By vertically oscillating lever	365	CLOSURE MOUNT OR STOP ON
329	...Link system connects lever to closure		INDEPENDENT MOVABLE OR
			REMOVABLE CENTER POST
330	...Actuating force applied between link pivots; e.g., over center toggle-type	366	BIPARTITE, CENTER OPENING
		367	.Overlapping meeting edges
		368	..With disparate seal
331	..Pull cable, lever interconnector	369	..Z-bar-type edge
		370	.Sliding closures
332	..Cable with pulley or drum	371	SWINGING CLOSURES CLOSING SINGLE
333	.Coaxial of closure pivot		OPENING
334	..Motor driven	372	STORED IN HOUSING
335	..Coaxial gear	373	.With cover or lid for housing opening
336	...Rack drive		
337	...Worm drive	374	.Reciprocates vertically in and out of housing
338	..Link drives coaxial connector		
339	..Operating lever or link and closure swing about parallel axes	375	..Vertical extension on closure bottom edge guided with housing
340	..Motor-driven lever	376	..Inclined guide on side edge of portal opening
341	..Gear-driven lever		
342	...Toothed lever end engages gear	377	..With cushioning means adjacent housing opening
343	...Lever carries screw gearing component	378	..One-piece housing facing and portal frame contains guide
344	..Reciprocating rod drives lever	379	LATCH RELEASE OF MOVEMENT-STORED ENERGY
345	..Multiple links		
346	..Lever end slide engages guide on closure	380	MOVABLE CLOSURE AND ITS SUPPORT TRANSFERABLE AS UNIT
347	.One direction pull cable		
348	.Drive within closure housing	381	WITH MEANS MOUNTING CLOSURE FOR SWINGING
349	..Motor driven		
350	..Gear-driven lever moves within limits of housing	382	.Hinging position reversal means
		383	.Hinge edge, finger guard, lock or disparate seal
351	...Multiple levers		
352	..Cable drive	384	..Cylinder and sleeve-type
353	..Exposed handle drives concealed lever	385	.Transverse pivot; e.g., single pivoted corner
354	..Through wall type	386	.With biasing means
355	..With weather seal or flap for drive element	387	..Distinct weight
		388	.Pivots on opposed portal members
356	..Push-rod actuator	389	..Closure removable in inclined position
357	..Remote actuating or initiating station		
358	.Closure-mounted drive	390	..Closure portions on opposite sides of portal in open position
359	..Lever-actuated drive		
360	..Operator drives closure along guide	391	...Inclined opposed member; e.g., vent window-type
361	..Common input for drives adjacent opposed guides	392	...Diagonally opposed stops or seals
		393	...On pivot carrying portal members
362	..Rack or screw parallel to closure guide		
		394	.With latch or lock
363	..Lever	395	..Plural; e.g., gang
364	BUMP ACTUATED LATCH RELEASE FOR BIASED CLOSURE	396	.Compensator for front end weight; e.g., sag preventer

397	.Unitary structural member and hinge element	429	..Cooperates with counterbalance hardware
398	.Concealed hinge	430	...Counterbalance within jamb-guide gap
399	.Hinge leaf mounted on closure edge surface	431	..Interengaging sections on portal and closure
400	.Closure nests within portal frame	432	...On parting strip and adjacent closures
401	..Marginal closure flange overlaps portal frame	433	...Plural interdigitants
402	.Closure overlies portal frame	434	..Single guide or slide for facially adjacent closures
403	.Louver end caps; e.g., mounting clips	435	...Parting strip with integral, opposite wings
404	WITH MEANS MOUNTING CLOSURE FOR RECIPROCATATION	436	..Bearing includes transverse restrainer
405	.By link mount	437	...Closure mounted
406	.With plug, flap, or bridger for meeting rail	438	....On closure edge
407	.Guide mounted stop spaces closure from sill	439	.....Cap-type
408	.Drain or vent in guide or sash	440	...Channel guide
409	.Pendant from horizontal guide	441	....Converging sides or ends
410	..With guide for lower edge of closure	442	...Guide engages slot in closure
411	...Threshold or sill guide	443	....On closure face
412	..Overlapping angles shield track-closure crevice	444	....Portion engages edge surface
413	.Horizontally sliding sashless-type	445	.With counterbalance
414	.With distinct biasing means for slide or guide	446	..Connected to slide mount of removable closure
415	..Acting transversely of closure face	447	..Guide-concealed weight pocket
416	...Biased side guide or parting strip	448	...Displaceable guide section permits access to weight pocket
417	..With means to adjust or retract biaser	449	.With latch or lock
418	...Adjusting screw coaxial of coil spring	450	..Plural open positions
419	..Nonmetallic biaser	451	...Friction holder
420	..Ball or roller bearing	452	.With means to adjust guide position
421	..Closure carried	453	.Slide or guide feature for closure removal
422	..Biaser permits self-adjustment of single guide for plural closures	454	..Detachable or displaceable stile or slide strip
423	..Slide or guide with transverse restrainer	455	..Guide mounted for repeated movement
424	.Baffle plate guided in chamber slot	456	..Removable guide
425	.Revolving guide component; e.g., roller or gear	457	...Interfitted retainers, guide, and frame
426	..Offset from plane of portal; e.g., freight car door	458	.Interengaging meeting rails
427	..On support edgewise of passage	459	.Guide includes deformed or cast component
428	.Diverse or springy material guide or slide	460	HANDLE OR PROTECTOR
		461	.Receptor for pole handle
		462	.Edge protector
		463	REMOVABLE CLOSURE
		464	.With separable closure sections
		465	.Releasable means on closure

- 466 .Displaceable sealing or binding strip
- 467 **THRESHOLD**
- 468 .Adjustable **FOREIGN ART COLLECTIONS**
- 469 .With diverse seal
- 470 ..Closure carried FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**
- 471 .With drain or vent
- 472 **COMBINED SEAL, STOP AND STIFFENER; I.E., CLEAT**
- 473 .With additional seal **DIGESTS**
- 474 .Eddy current or airspace trap
- 475.1 **CLOSURE SEAL; E.G., STRIKER GASKET OR WEATHERSTRIP**
- DIG 1 **THERMAL BREAKS FOR FRAMES**
- DIG 2 **PLASTIC FRAME COMPONENTS**
- 476.1 .With fluid drain, or closure face mounted deflector; e.g., sill seal
- 477.1 .Inflatable or fluid pressure responsive
- 478.1 .Magnetic
- 479.1 .With corner or corner forming portions; i.e., corner seal
- 480.1 .With distinct biasing means
- 482.1 .With feature for segmenting, replacing, adjusting, or severing
- 483.1 .Having complementary engaging portions on closure or closure and portal frame
- 484.1 .Plural distinct seals
- 489.1 .Anchored in channel or slot in closure or portal frame
- 490.1 .U-shaped member or portion mounts seal
- 492.1 .Held by snap fastener
- 493.1 .With holder; e.g., securing sheath
- 495.1 .Plural sealing contact points
- 496.1 .Spaced or superposed flange cantilevered from edge of base portion; e.g., leaf-spring type
- 498.1 .Tubular or tubular portion
- 499.1 .Bulged sealing surface intermediate securing ends
- 500.1 .Windlace-type
- 501 **PANEL WITH CLOSURE FEATURE**
- 502 .With means to accommodate window accessory; e.g., automobile-type door
- 503 .Modified to accommodate lock or latch
- 504 **FRAME WITH CLOSURE FEATURE**
- 505 .Adjustable frame
- 506 **PROCESSES**
- 507 **MISCELLANEOUS**