# SECTION E — FIXED CONSTRUCTIONS

### E06 DOORS, WINDOWS, SHUTTERS, OR ROLLER BLINDS, IN GENERAL; LADDERS

**E06B FIXED OR MOVABLE CLOSURES FOR OPENINGS IN BUILDINGS, VEHICLES, FENCES, OR LIKE ENCLOSURES, IN GENERAL, e.g. DOORS, WINDOWS, BLINDS, GATES** (shades or blinds for greenhouses A01G 9/22; curtains A47H; lids for car boots or bonnets B62D 25/10; sky-lights E04B 7/18; sunshades, awnings E04F 10/00)

#### Note(s)

- 1. This subclass <u>does not cover</u> combinations of wings or frames with operating, mounting, latching or locking means of the type found in class E05, which are covered by the relevant subclasses of class E05, except such as are covered by groups E06B 7/086, E06B 9/00, or E06B 11/02 of this subclass.
- 2. In this subclass, the following terms or expressions are used with the meanings indicated:
  - "wing" means a swingable, slidable or otherwise movable member such as a door or window, for closing an opening;
  - "wing frame" means the peripheral edge or edges which define the outer border of the wing.
- 3. For vehicle door or window arrangements, attention is drawn to Note (1) following the title of subclass B60J.

### Subclass index

BORDER CONSTRUCTIONS	1/00
ELEMENTS FOR CLOSING OPENINGS	
SPECIAL ARRANGEMENTS.	· · ·
MEANS ALLOWING PASSAGE THROUGH FENCES	

1/00	<b>Border constructions of openings in walls, floors, or ceilings; Frames to be rigidly mounted in such openings</b> (E06B 5/00 takes precedence; features relating also to inner frames or wing frames, features relating solely to the mounting of inner frames E06B 3/00; corner joints or edge joints E06B 3/96) [4]	1/30 1/32 1/34	<ul> <li>composed of several parts with respect to the cross-section of the frame itself</li> <li>Frames composed of parts made of different materials</li> <li>Coverings, e.g. protecting against weather, for decorative purposes</li> </ul>
1/02	• Base frames, i.e. template frames for openings in walls or the like, provided with means for securing a further rigidly-mounted frame; Special adaptations of frames to be fixed therein	1/36 1/38 1/40	<ul> <li>Frames uniquely adapted for windows</li> <li>for shop-, show- or like large windows</li> <li>Frames with parts removable to admit the glass</li> </ul>
1/04	<ul> <li>Frames for doors, windows, or the like to be fixed in openings (special adaptations for fixing in base frames E06B 1/02; features relating solely to the mounting of glass panes or other sheets E06B 3/00)</li> </ul>	1/52 1/56 1/58	<ul> <li>(E06B 1/38 takes precedence)</li> <li>Frames specially adapted for doors</li> <li>Fastening frames to the border of openings</li> <li>by filling-up the joints, e.g. by cementing</li> </ul>
1/06	• • Wooden frames	1/60	• • by mechanical means, e.g. anchoring means
1/08	• • composed of several parts with respect to the cross-section of the frame itself	1/62	<ul> <li>Tightening or covering joints between the border of openings and the frame (E06B 1/34 takes precedence)</li> </ul>
1/10	• • • adjustable with respect to the thickness of walls	1/64	• • by loosely-inserted means, e.g. strip, resilient
1/12	Metal frames	1.100	tongue
1/14	• • • of special cross-section (E06B 1/18, E06B 1/22	1/66	by labyrinth packings
	take precedence)	1/68	• by profiled external parts
1/16	• • • • Hollow frames	1/70	Sills; Thresholds
1/18 1/20	<ul> <li>composed of several parts with respect to the cross-section of the frame itself</li> <li>adjustable with respect to the thickness of walls</li> </ul>	3/00	Window sashes, door leaves, or like elements for closing openings; Layout of fixed or moving closures, e.g. windows; Features of rigidly-mounted outer
1/22	• • • with integral thresholds of special form		frames relating to the mounting of wing frames
1/22	• Frames of natural stone, concrete, or other stone- like material		(E06B 5/00 takes precedence; shutters or the like E06B 9/00; glass panes C03; uniting glass sheets by fusion C03B 23/203; joining glass to glass other than by
1/26	Frames of plastics		fusing or to other inorganic material C03C 27/00)
1/28	• • • Hollow frames (E06B 1/30 takes precedence)	3/01	• Removable or disappearing walls for hangars or other halls, e.g. for aircraft (wall constructions E04B 2/00)

## E06B

3/02	•	Wings made completely of glass
3/04	•	Wing frames not characterised by the manner of movement (features relating to the manner of movement E06B 3/32)
3/06		Single frames
3/08	•	<ul> <li>Constructions depending on the use of specified materials (E06B 3/24 takes precedence)</li> </ul>
3/10	•	• • • of wood
3/12	•	• • • of metal
3/14	•	• • • of special cross-section
3/16	•	• • • • Hollow frames
3/18	•	• • • of concrete or other stone-like material
3/20	•	• • • of plastics
3/22	•	• • • • Hollow frames
3/24	•	<ul> <li>specially adapted for double glazing (separable parts for securing panes E06B 3/64)</li> </ul>
3/26	•	• Compound frames, i.e. one frame within or behind another (E06B 3/263, E06B 3/28 take precedence;
0 /0 /0		arrangements of movable frames E06B 3/32)
3/263	•	• Frames with special provision for insulation [6]
3/267	•	• • with insulating elements formed <u>in situ</u> [6]
3/273	•	<ul> <li>with prefabricated insulating elements held in position by deformation of portions of the frame members [6]</li> </ul>
3/277	•	• • with prefabricated insulating elements held in
		position by expansion of the insulating
		elements [6]
3/28	•	• with additional removable glass panes or the like, framed or unframed
3/30	•	Coverings, e.g. protecting against weather, for decorative purposes
3/32	•	Arrangements of wings characterised by the manner of movement; Arrangements of movable wings in openings; Features of wings or frames relating solely to the manner of movement of the wing <b>[3]</b>
3/34	•	<ul> <li>with only one kind of movement (E06B 3/48 takes precedence)</li> </ul>
3/36	•	<ul> <li>with a single vertical axis of rotation at one side of the opening, or swinging through the opening (wings requiring lifting before opening E06B 3/52)</li> </ul>
3/38		E00D 3/32)
3/40	•	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> </ul>
5/40	•	• • with a horizontal axis of rotation at the top or
3/40	•	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not</li> </ul>
	•	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to</li> </ul>
3/42	•	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> </ul>
3/42 3/44	•	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> </ul>
3/42 3/44 3/46	• • • •	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48 takes precedence)</li> </ul>
3/42 3/44 3/46 3/48	• • • •	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48</li> </ul>
3/42 3/44 3/46 3/48 3/50	• • • •	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48 takes precedence)</li> </ul>
3/42 3/44 3/46 3/48 3/50 3/52	• • • •	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48 takes precedence)</li> <li>Wings requiring lifting before opening</li> </ul>
3/42 3/44 3/46 3/48 3/50 3/52 3/54	• • • • • •	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48 takes precedence)</li> <li>Wings requiring lifting before opening</li> <li>Fixing of glass panes or like plates</li> <li>by means of putty, cement, or adhesives only</li> </ul>
3/42 3/44 3/46 3/48 3/50 3/52 3/54 3/56	· · · ·	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48 takes precedence)</li> <li>Wings requiring lifting before opening</li> <li>Fixing of glass panes or like plates</li> <li>by means of putty, cement, or adhesives only (E06B 3/64 takes precedence)</li> <li>by means of borders, cleats, or the like (E06B 3/64 takes precedence)</li> <li>of clamping cleats of metal</li> </ul>
3/42 3/44 3/46 3/48 3/50 3/52 3/54 3/56 3/58	· · · · ·	<ul> <li>with a horizontal axis of rotation at the top or bottom of the opening</li> <li>with a vertical or horizontal axis of rotation not at one side of the opening, e.g. turnover wings</li> <li>Sliding wings; Details of frames with respect to guiding</li> <li>Vertically-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Horizontally-sliding wings</li> <li>Wings connected at their edges, e.g. foldable wings</li> <li>with more than one kind of movement (E06B 3/48 takes precedence)</li> <li>Wings requiring lifting before opening</li> <li>Fixing of glass panes or like plates</li> <li>by means of putty, cement, or adhesives only (E06B 3/64 takes precedence)</li> <li>by means of borders, cleats, or the like (E06B 3/64 takes precedence)</li> </ul>

3,00	Border constructions t	
5/00	-	on (window bars E06B 3/68) <b>[5]</b> e closures for special purposes;
3/99	frame members [5 • for continuous fra	] me members crossing each other
3/988	<ul> <li>specially adapted metal, or similar s</li> </ul>	for frame members of sheet heet material, with an open d cross-section, e.g. for door
3/984	• specially adapted	for frame members of wood or ked in a similar way (E06B 3/99
57 90	adapted for towards eacl	drawing the frame members n other (E06B 3/972, take precedence) <b>[5]</b>
3/976 3/98	connecting p takes preced • • • by deformat	pieces with wedges (E06B 3/976
3/972	• • • by increasin	g the cross-section of the pieces, e.g. by expanding the
3/968		recedence) <b>[5]</b> y the way the connecting pieces on the frame members <b>[5]</b>
3/964	<ul> <li>using separate con connecting pieces</li> </ul>	necting pieces, e.g. T- (E06B 3/984, E06B 3/988,
3/96	<ul> <li>Corner joints or edge the like frames or win</li> </ul>	joints for windows, doors, or
3/94	• Doors of the bello	
3/92	(sliding wings for wi wings E06B 3/48; wa rolled up, e.g. shutter	
3/90	(turnstiles E06B 11/0	
	guards for doors o	r windows E06B 7/36)
3/86	-	evices for door leaves (finger
3/84 3/86	<ul><li>• • of plywood</li><li>• of plastics</li></ul>	
	(E06B 3/02 takes	
3/82		ith completely flat surface
3/80	<ul> <li>flexible</li> </ul>	JIdSUCS
3/76 3/78	<ul> <li>• • with metal panels</li> <li>• • with panels of panels</li> </ul>	
3/74	• • with wooden particular	
3/72	• consisting of fram	-
3/70	• Door leaves (wing fra	-
3/68	E06B 3/663); Clea panes <b>[6]</b> • Window bars	aning the gap between the
3/677	<ul> <li>Evacuating or filli Preventing conder panes (by means conder)</li> </ul>	ng the gap between the panes; isation in the gap between the of spacing elements
3/673		nits (E06B 3/677 takes
3/67		dditional arrangements or sound insulation <b>[6]</b>
3/667	• • Connectors the	
3/663	Elements for space	ing panes [6]
	(layered products ess	together, e.g. along the edges entially comprising sheet glass of glass C03C 17/00)
2,00	panes in spaced relati	ionship, the panes being
3/66	Onits comprising two	o or more parallel glass or like

- 5/01 Trap-doors
- 5/02 for out-buildings or cellars; Other simple closures not designed to be close-fitting

E (0.4		
5/04	• • with fixed wooden frames	
5/06	• • with fixed metal frames	
5/08	<ul> <li>with fixed frames made of concrete, stone-like material, or plastics</li> </ul>	
5/10	<ul> <li>for protection against air-raid or other war-like action; for other protective purposes</li> </ul>	
5/11	• • against burglary <b>[6]</b>	
5/12	<ul> <li>against air pressure, explosion, or gas</li> </ul>	
5/12	<ul> <li>Gasproof doors or similar closures; Adaptation</li> </ul>	
	of fixed constructions therefor	
5/16	• Fireproof doors or similar closures; Adaptations of fixed constructions therefor	
5/18	• • against harmful radiation (against heat E06B 5/16)	
5/20	for insulation against noise	
7/00	<b>Special arrangements or measures in connection with</b> <b>doors or windows</b> (screening or similar protective devices E06B 9/00)	
7/02	• for providing ventilation, e.g. through double	
.,	windows; Arrangement of ventilation roses (airflow control members <u>per se</u> F24F 13/08)	
7/03	• • Ventilating devices for inserting under upwardly-	
	sliding windows (rain or draught deflectors E06B 7/26)	
7/04	<ul> <li>with ventilation wings (E06B 7/08 takes</li> </ul>	
	precedence)	
7/06	• • • with one ventilation wing only	
7/08	• • Louvre doors, windows, or grilles	
7/082	<ul> <li>• • with rigid or slidable lamellae</li> </ul>	
7/084	• • • with rotatable lamellae	
7/086	• • • • interconnected for concurrent movement [2]	
7/088	• • • • • with facing protective grille or safety	
	guard [2]	
7/09	• • • • mounted in movable wing, e.g. door [2]	
7/092	• • • • operable in two or more distinct sets [2]	
7/094	• • • • • operable in sequence; characterised by additional independent movement [2]	
7/096	• • • • • operated or interconnected by gearing	
	(wing operators with gearing in general	
<b>F</b> (000	E05F 11/00) [2]	
7/098	• • • • with weather seal [2]	
7/10	• by special construction of the frame members	
7/12	Measures preventing the formation of condensed	
	water (double glazing E06B 3/24-E06B 3/28, E06B 3/64, E06B 3/66; heating arrangements	
	specially adapted for transparent or reflecting areas	
	H05B 3/84)	
7/14	<ul> <li>Measures for draining-off condensed water or water</li> </ul>	
//14	leaking-in	
7/16	<ul> <li>Sealing arrangements on wings or parts co-operating</li> </ul>	
., 10	with the wings (E06B 7/098 takes precedence) [2]	
7/18	• • by means of movable edgings, e.g. draught	
// 10	sealings additionally used for bolting	
7/20	• • automatically withdrawn when the wing is opened	
7/205	• • • • with sealing strip mounted on sill [2]	
7/205	<ul> <li>• • • • with sealing strip movable in plane of</li> </ul>	
	wing [2]	
7/215	• • • • with sealing strip being moved to a retracted position by elastic means, e.g. springs [2]	
7/22	• • by means of elastic edgings, e.g. elastic rubber	
	tubes; by means of resilient edgings, e.g. felt or	
	plush strips, resilient metal strips (E06B 7/18 takes	
= .	precedence)	
7/23	• • Plastic, sponge rubber, or like strips or tubes	
7/232	• • • Resilient strips of hard material, e.g. metal	

7/24	•	<ul> <li>without separate sealing members, e.g. with labyrinth</li> </ul>
7/26	•	Rain or draught deflectors, e.g. under sliding wings

 Other arrangements on doors or windows, e.g. doorplates, windows adapted to carry plants, hooks for window cleaners

- 7/30 Peep-holes; Devices for speaking through; Doors having windows
- 7/32 • Serving doors; Passing-through doors
- 7/34 Doors containing cupboards (cabinets in general A47B)
- 7/36 • Finger guards **[7]**
- **9/00** Screening or protective devices for openings, with or without operating or securing mechanisms; Closures of similar construction (E06B 5/10 takes precedence; wings for doors or windows, connected at their edges, E06B 3/48; additional indoor equipment of doors or windows, not forming part of the proper finishing work of a building, e.g. curtains, A47H; gratings as building elements E04C 2/42; locks, accessories therefor E05B; bolts or fastening devices for wings E05C; operating mechanism for wings in general E05F)
- 9/01 Grilles fixed to walls, doors, or windows; Grilles moving with doors or windows; Walls formed as grilles, e.g. claustra
- 9/02 Shutters, movable grilles, or other safety closing devices, e.g. against burglary (louvre windows or grilles E06B 7/08; lamellar blinds E06B 9/26)
- 9/04 • of wing type, e.g. revolving or sliding
- 9/06
   collapsible or foldable, e.g. of the bellows or lazytongs type (bellows-type doors E06B 3/94; rolltype grilles E06B 9/18)
- 9/08 Roll-type closures (roller blinds E06B 9/40; operating, guiding or securing devices or arrangements for roll-type closures E06B 9/56; usable only as awnings E04F 10/06) **[5]**
- 9/11 • Roller shutters **[5]**
- 9/13 • • with closing members of one piece, e.g. of corrugated sheet metal [5]
- 9/15 • • with closing members formed of slats or the like [5]
  9/165 • • • with slats disappearing in each other: with
- 9/165 • • with slats disappearing in each other; with slats the distance between which can be altered [5]
  9/17 • Parts or details of roller shutters, e.g.
- 9/171 • • Rollers therefor; Fastening roller shutters
- to rollers **[5]** 9/172 • • • • • by clamping bars
- 9/173 • • by clasps or buttons

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9/174 • • • • Bearings specially adapted therefor [5]
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- 9/18 • Roll-type grilles **[5]**
- 9/24 Screens or other constructions affording protection against light, especially against sunshine; Similar screens for privacy or appearance (operating, guiding or securing devices or arrangements for roll-type closures E06B 9/56; free-hanging flexible screens A47H 23/00)
- 9/26 • Lamellar or like blinds, e.g. venetian blinds
- 9/262 • with flexibly-interconnected horizontal or vertical strips; Concertina blinds
- 9/264 • Combinations of lamellar blinds with roller shutters, screen windows, windows, or double panes; Lamellar blinds with special devices
- 9/266 • Devices or accessories for making or mounting lamellar blinds or parts thereof [3]

## E06B

9/28	• •	<ul> <li>with horizontal lamellae, e.g. non-liftable</li> </ul>	
		(louvre windows or gratings E06B 7/08)	
9/30	•••	• • liftable	
9/302	••	• • • without ladder-tape, e.g. with lazy-tongs, with screw spindle	
9/303	• •	• • • with ladder-tape	
9/304	••	• • • • with tilting bar and separate raising shaft	
9/305	•••	• • • • with tilting bar and raising cords	
9/306	••	guided along fixed bar •••• with tilting bar along which the raising	
0/207		cords are guided	
9/307 9/308		<ul> <li>Details of tilting bars or their operation</li> <li>with coaxial tilting bar and raising</li> </ul>	
		shaft	
9/32	••	<ul> <li>Operating, guiding, or securing devices therefor (operation of tilting bars E06B 9/307)</li> </ul>	
9/322	••	<ul> <li>Details of operating devices, e.g. pulleys, brakes, spring drums, drives (devices of general interest specially adapted or mounted for storing and repeatedly paying-out and re-storing lengths of material B65H 75/34)</li> </ul>	
9/323		<ul> <li>• • • Structure or support of upper box</li> </ul>	
9/324		• • • Cord-locks	
9/325		• • • Immobilising devices preventing	
57525		raising	
9/326	••	• • • • Details of cords, e.g. buckles, drawing knobs	
9/327	••	• • • • Guides for raisable lamellar blinds with horizontal lamellae	
9/34	• •	• • roller type	
9/36	• •	with vertical lamellae	
9/38	• •	Other details	
9/382	••	• • Details of ladder-tapes or ladder-chains, e.g. buckles for local shortening of tapes	
9/384	••	• • Details of interconnection or interaction of tapes and lamellae	
9/386	• •	• Details of lamellae	
9/388	••	Details of bottom or upper slats or their attachment	
9/40	••	Roller blinds (usable only as awnings E04F 10/06) <b>[5]</b>	
9/42	••	<ul> <li>Parts or details of roller blinds, e.g. suspension devices, blind boxes (brackets or adjustable mountings for roller blinds and drawable curtains A47H 1/13) [5]</li> </ul>	
9/44	••	<ul> <li>Rollers therefor; Fastening roller blinds to rollers [5]</li> </ul>	
9/46	• •	• • • by clamping bars [5]	
9/48	• •	• • • by clasps or buttons [5]	
		· · · ·	

9/50	• • • • Bearings specially adapted therefor [5]
9/52	• Devices affording protection against insects, e.g. fly screens; Mesh windows for other purposes
9/54	• • Roller fly screens (operating, guiding or securing
0.150	devices therefor E06B 9/56) <b>[2, 5]</b>
9/56	<ul> <li>Operating, guiding or securing devices or arrangements for roll-type closures; Spring drums; Tape drums; Counterweighting arrangements therefor (devices of general interest specially adapted or mounted for storing and repeatedly paying-out and re-storing lengths of material B65H 75/34) [5]</li> </ul>
9/58	• • Guiding devices [5]
9/60	<ul> <li>Spring drums operated only by closure members [5]</li> </ul>
9/62	• • Counterweighting arrangements (E06B 9/60 takes precedence) [5]
9/64	• • with lowerable roller <b>[5]</b>
9/66	• • with a roller situated at the bottom [5]
9/68	<ul> <li>Operating devices or mechanisms, e.g. with electric drive [5]</li> </ul>
9/70	• • comprising an electric motor positioned outside the roller [5]
9/72	• • comprising an electric motor positioned inside the roller [5]
9/74	<ul> <li>• adapted for selective electrical or manual operation [5]</li> </ul>
9/76	• • • using crank handles [5]
9/78	<ul> <li>for direct manual operation, e.g. by tassels, by handles [5]</li> </ul>
9/80	<ul> <li>Safety measures against dropping or unauthorised opening; Braking or immobilising devices; Devices for limiting unrolling (securing devices or arrangements for direct manual operation E06B 9/78) [5]</li> </ul>
9/82	• • • automatic [5]
9/84	• • • • against dropping [5]
9/86	• • • • against unauthorised opening [5]
9/88	• • • • for limiting unrolling [5]
9/90	• • • for immobilising the closure member in various chosen positions [5]
9/92	• • Means allowing the closures to be shifted out of the plane of the opening <b>[5]</b>
11/00	<b>Means for allowing passage through fences, barriers,</b> <b>or the like, e.g. stiles</b> (general features of doors E06B 1/00-E06B 9/00)
11/02	Gates; Doors
11/04	<ul> <li>characterised by the kind of suspension (suspensions <u>per se</u> E05D)</li> </ul>
11/06	<ul> <li>characterised by the kind of fastening (fastening devices for wings E05C)</li> </ul>
11/08	<ul> <li>Turnstiles (on vehicles B60N 5/00; with registering means G07C 9/02)</li> </ul>
2/00; adap	tation of ladders to use on ships B63B, to use on aircraft

**E06C LADDERS** (E04F 11/00 takes precedence; step-stools A47C 12/00; adaptation of ladders to use on ships B63B, to use on aircraft B64; scaffolding E04G) **[5, 6]** 

1/00 1/02 1/04	<ul> <li>Ladders in general (mounted on undercarriages or vehicles E06C 5/00; permanently attached to fixed structures E06C 9/00)</li> <li>with rigid longitudinal member or members</li> <li>Ladders for resting against objects, e.g. walls, poles, trees (supports for ladder heads E06C 7/48)</li> </ul>	<ul> <li>1/10 • • • • Sections fitted end to end</li> <li>1/12 • • • • extensible, e.g. telescopic</li> <li>1/14 • Ladders capable of standing by themselves</li> <li>1/16 • • with struts which rest on the ground (with struts rigid with the ladder E06C 1/24; having platforms E06C 1/39)</li> </ul>
1/06 1/08	<ul><li>• • in one piece</li><li>• • multi-part</li></ul>	1/18•••with supporting struts formed as ladders1/20•••with supporting struts formed as poles

1 (22	
1/22	• • • • with extensible, e.g. telescopic, ladder parts or struts
1/24	• • • Free-standing ladders
1/26	• • • in one piece
1/28	• • • • multi-part (with movable supporting struts
1/20	formed as ladders E06C 1/18)
1/30 1/32	<ul> <li>• • • • extensible, e.g. telescopic</li> <li>• Ladders with a strut which is formed as a ladder</li> </ul>
1/32	and can be secured in line with the ladder
1/34	<ul> <li>Ladders attachable to structures, such as windows, cornices, poles, or the like (ladders permanently fastened to buildings E06C 9/00)</li> </ul>
1/36	• • Ladders suspendable by hooks or the like
1/38	• • Special constructions of ladders, e.g. ladders with
	more or less than two longitudinal members, ladders with movable rungs or other treads, longitudinally-foldable ladders
1/383	• • Foldable ladders in which the longitudinal members are brought together on folding
1/387	• • • having tip-up steps
1/39	• • • Ladders having platforms; Ladders changeable
	into platforms (platforms for use on ladders E06C 7/16)
1/393	• • • Ladders having platforms foldable with the ladder
1/397	<ul> <li>characterised by having wheels, rollers, or runners</li> </ul>
1/52	with non-rigid longitudinal members
1/54	• • of the lazy-tongs type
1/56	Rope or chain ladders
1/58	• with both rigid and non-rigid longitudinal members
5/00	Ladders characterised by being mounted on
	undercarriages or vehicles; Securing ladders on
	<b>vehicles</b> (ladders having wheels, rollers, or runners
F (00	E06C 1/397)
5/02	with rigid longitudinal members
5/04	capable of being elevated or extended
5/06	<ul> <li>• by piston and cylinder, or equivalent means, operated by a pressure medium</li> </ul>
5/08	• • • derived directly from a pressure reservoir
5/10	••••• charged by a pump or compressor driven by the motor of the vehicle or another motor on the vehicle
5/12	• • • • derived directly from a pump or compressor
5/14	• • • • driven by the motor of the vehicle or
5/16	another motor on the vehicle
5/10	• • using mechanical transmission only, with or without fluid or other non-mechanical
	couplings or clutches
5/18	• • • using power from the motor of the vehicle or another motor
5/20	• • • using hand-power (hand-operated extending
0,20	means carried by the ladder E06C 7/04)
5/22	• • by, or with the assistance of, springs (E06C 5/06, E06C 5/16 take precedence)

5/24	<ul> <li>Dismounting ladders from vehicles</li> </ul>
5/26	<ul> <li>with non-rigid longitudinal members</li> </ul>
5/28	<ul> <li>of the lazy-tongs type</li> </ul>
5/30	• • formed of links which reinforce themselves against each other
5/32	Accessories
5/34	Indicating devices
5/36	<ul> <li>Safety devices against slipping or falling of ladders; Safety devices against overloading ladders</li> </ul>
5/38	• • Devices for blocking the springs of the vehicle; Devices for supporting the undercarriage directly from the ground
5/40	<ul> <li>Devices for canting ladders laterally</li> </ul>
5/42	• • Devices for altering inclination; Latching devices therefor
5/44	• • Other accessories on ladders, e.g. acoustical signalling devices, dismountable switchboards
7/00	Component parts, supporting parts, or accessories
7/02	<ul> <li>Extending means (for ladders mounted on undercarriages or vehicles E06C 5/00)</li> </ul>
7/04	Hand-operated extending means carried by the ladder
7/06	<ul> <li>Securing devices or hooks for parts of extensible ladders</li> </ul>
7/08	<ul> <li>Special construction of longitudinal members, or rungs or other treads</li> </ul>
7/10	Reinforcements for ladders
7/12	<ul> <li>Lifts or other hoisting devices on ladders</li> </ul>
7/14	• Holders for pails or other equipment on or for ladders
7/16	<ul> <li>Platforms on, or for use on, ladders, e.g. liftable or lowerable platforms (aspects relating to the lifting B66F)</li> </ul>
7/18	<ul> <li>Devices for preventing persons from falling (life- saving belts A62B 1/16)</li> </ul>
7/42	<ul> <li>Ladder feet; Supports therefor (for scaffold elements E04G 5/02)</li> </ul>
7/44	<ul> <li>Means for mounting ladders on uneven ground</li> </ul>
7/46	Non-skid equipment
7/48	<ul> <li>Ladder heads; Supports for heads of ladders for resting against objects</li> </ul>
7/50	Joints or other connecting parts
9/00	<b>Ladders characterised by being permanently</b> <b>attached to fixed structures, e.g. fire escapes</b> (movable stairways E04F 11/04)
9/02	rigidly mounted
9/04	• • in the form of climbing irons or the like
9/06	movably mounted
9/08	with rigid longitudinal members
9/10	• • • forming part of a building, such as a balcony grid, window grid, or other window part
9/12	• • • laterally displaceable
9/14	• • with non-rigid longitudinal members, e.g. rope or chain ladders, ladders of the lazy-tongs type