# CPC COOPERATIVE PATENT CLASSIFICATION

## E FIXED CONSTRUCTIONS

### **BUILDING**

## E05 LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES

(NOTE omitted)

# E05D HINGES OR SUSPENSION DEVICES FOR DOORS, WINDOWS OR WINGS (pivotal

connections in general F16C 11/00)

#### **WARNING**

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Pinless hinges; Substitutes for hinges	5/0207	• • {for attachment to vehicles ( <u>E05D 5/043</u> ,
1/02	<ul> <li>made of one piece</li> </ul>		E05D 5/062 take precedence)}
1/04	<ul> <li>with guide members shaped as circular arcs</li> </ul>	5/0215	• • {for attachment to profile members or the like}
2001/045	• • {for telescopic hinges}	5/0223	• • • { with parts, e.g. screws, extending through the
1/06	<ul> <li>consisting of two easily-separable parts</li> </ul>		profile wall or engaging profile grooves}
3/00	Hinges with pins {(E05D 7/08 takes precedence)}	5/023	• • • { with parts extending through the profile wall }
3/02	• with one pin	5/0238	• • • { with parts engaging profile grooves }
3/022	• • {allowing an additional lateral movement, e.g. for	5/0246	• • {for attachment to glass panels}
	sealing}	2005/0253	• • { the panels having conical or stepped recesses }
2003/025	• • {having three knuckles}	2005/0261	• • {connecting two or more glass panels}
2003/027	• • • {the end knuckles being mutually connected}	2005/0269	• • • {the panels being coplanar}
3/04	<ul> <li>engaging three or more parts, e.g. sleeves, movable relatively to one another for connecting two or more wings to another member</li> </ul>	5/0276	• • {for attachment to cabinets or furniture, the hinge having two or more pins (E05D 5/046, E05D 5/065, E05D 7/125 take precedence)}
3/06	• with two or more pins (E05D 7/08 takes	2005/0284	• • {for embedding in concrete or masonry}
	precedence)	2005/0292	• • {for passing through insulating layers}
3/08	• • for swing-doors, i.e. openable by pushing from	5/04	Flat flaps
2/10	either side	5/043	• • · {specially adapted for vehicles}
3/10	• with non-parallel pins	5/046	• • { specially adapted for cabinets or furniture}
3/12	• with two parallel pins and one arm	5/06	Bent flaps
3/122	{Gear hinges}	5/062	• • { specially adapted for vehicles }
3/125 3/127	<ul><li> {specially adapted for vehicles}</li><li> {for vehicle doors}</li></ul>	5/065	• • { specially adapted for cabinets or furniture}
3/12/	<ul><li> {for venicle doors}</li><li>. with four parallel pins and two arms</li></ul>	2005/067	• • {gooseneck shaped}
3/142	with rour paramer pins and two arms     with at least one of the hinge parts having	5/08	• of cylindrical shape
3/142	a cup-shaped fixing part, e.g. for attachment to cabinets or furniture (E05D 11/1021 takes	5/10	<ul> <li>Pins, sockets or sleeves; Removable pins (E05D 15/522 takes precedence)</li> </ul>
	precedence)}	2005/102	{Pins}
3/145	• • {specially adapted for vehicles}	2005/104	• • {characterised by the materials}
3/147	• • • (specially adapted for vehicles) • • • • (for vehicle doors)	2005/106	• • { with non-cylindrical portions }
3/16	with seven parallel pins and four arms	2005/108	• • { with elastically deformable parts}
2003/163	{Horizontal pivot-axis}	5/12	Securing pins in sockets, movably or not
2003/166	• • {Vertical pivot-axis}	5/121	• • • {Screw-threaded pins}
3/18	with sliding pins or guides	2005/122	• • • {externally threaded}
3/183	• • • { with at least one of the hinge parts having a	2005/124	• • • {internally threaded}
	cup-shaped fixing part, e.g. for attachment to cabinets or furniture}	5/125	• • • {Non-removable, snap-fitted pins (removable snap-fitted pins <u>E05D 7/1022</u> , <u>E05D 7/1055</u> )}
3/186	{Scissors hinges, with two crossing levers and five parallel pins}	5/127	• • • {by forcing the pin into the socket ( <u>E05D 5/125</u> takes precedence)}
<b>=</b>		5/128	• • • {the pin having a recess or through-hole
5/00	Construction of single parts, e.g. the parts for		engaged by a securing member}
E /02	attachment	5/14	Construction of sockets or sleeves
5/02	• Parts for attachment, e.g. flaps	2005/145	• • { with elastically deformable parts}

5/16	to be secured without special attachment parts	2007/1038	• • • {by axially moving free sockets}
	on the socket or sleeve	7/1044	• • {in an axial direction ( <u>E05D 7/1005</u> takes precedence)}
7/00	Hinges or pivots of special construction (used for	7/105	• • {requiring a specific angular position}
	special suspension arrangements <u>E05D 15/00</u> ; so as to	7/1055	{with snap-fitted pins}
	be self-closing E05F 1/06, E05F 1/12; with means for	7/1053	• • {with shap-inted plins} • • {in a radial direction (E05D 7/1005 takes
	raising wings before being turned E05F 7/02)	//1001	precedence)}
7/0009	• {Adjustable hinges ( <u>E05D 7/04</u> takes precedence)}	7/1066	• • {requiring a specific angular position}
7/0018	• • {at the hinge axis}	7/1072	• • • {tequiring a specific angular position} • • • • {the pin having a non-circular cross-section}
7/0027	{in an axial direction}	7/1077	• • • {with snap-fitted pins}
2007/0036	• • • { with axially fixed hinge pins}	7/1083	• • {facilitating simultaneous assembly of a plurality
7/0045	{in a radial direction}	7,1002	of hinges, e.g. for mounting heavy wings}
7/0054	{by means of eccentric parts}	2007/1088	• • · {using hinge pins having different lengths}
2007/0063	{Eccentric hinge pins}	2007/1094	{Guiding devices therefor}
2007/0072	• • • {with sliding sleeves}	7/12	to allow easy detachment of the hinge from the wing
2007/0081	• • • {with swinging or rolling sleeves}		or the frame $\{(E05D 15/507 \text{ takes precedence})\}$
7/009	• {Elongate hinges, e.g. piano-hinges}	7/121	• • {specially adapted for vehicles}
7/02	• for use on the right-hand as well as the left-hand	7/123	• • {specially adapted for cabinets or furniture}
7/04	side; Convertible right-hand or left-hand hinges	7/125	• • { the hinge having two or more pins }
7/04	. Hinges adjustable relative to the wing or the frame	2007/126	• • {in an axial direction}
7/0407	<ul> <li>{the hinges having two or more pins and being specially adapted for cabinets or furniture}</li> </ul>	2007/128	• • {in a radial direction}
7/0415	<ul><li>• {with adjusting drive means}</li></ul>	7/14	<ul> <li>Hinges for safes</li> </ul>
7/0413	<ul> <li>. {With adjusting drive fileans}</li> <li> {Screw-and-nut mechanisms (<u>E05D 7/0407</u>,</li> </ul>	9/00	Flore or cleaves specially designed for making
7/0423	E05D 7/043 take precedence)	9/00	Flaps or sleeves specially designed for making from particular material, e.g. hoop-iron, sheet
7/043	• • {by means of dowel attachments}		metal, plastics
2007/0438	• • {with bolts fixedly mounted on the hinge part}	9/005	• {from plastics ( <u>E05D 1/02</u> takes precedence)}
2007/0446	• • { with threaded bolts fixedly mounted on the		
	hinge part}	11/00	Additional features or accessories of hinges {(edge
2007/0453	• • • {with threaded sleeves}	11/0000	protecting devices <u>E06B 3/88</u> )}
2007/0461	• • {in angular arrangement to the wing or the frame}	11/0009	<ul> <li>{Templates for marking the position of fittings on wings or frames (implements for making doors,</li> </ul>
2007/0469	{in an axial direction}		windows or frames E04F 21/003)}
2007/0476	• • {Pocket hinges}	11/0018	• {Anti-tamper devices}
2007/0484	• • {in a radial direction}	11/0016	• {arranged on or near the hinge and comprising
2007/0492	• • {in three directions}	11/0027	parts interlocking as the wing closes, e.g. security
7/06	<ul> <li>to allow tilting of the members</li> </ul>		studs}
7/08	<ul> <li>for use in suspensions comprising two spigots</li> </ul>	2011/0036	{near the hinge}
	placed at opposite edges of the wing, especially	2011/0045	• • • {on the hinge}
	at the top and the bottom, e.g. trunnions	11/0054	• {Covers, e.g. for protection}
7/001	{( <u>E05D 15/266</u> takes precedence)}	2011/0063	• • {for screw-heads or bolt-heads}
7/081	the pivot axis of the wing being situated near	2011/0072	• • {for the gap between hinge parts}
	one edge of the wing, especially at the top and bottom, e.g. trunnions	11/0081	• {for transmitting energy, e.g. electrical cable
7/082	• the pivot axis of the wing being situated at a		routing}
77002	considerable distance from the edges of the wing	2011/009	• {Impact absorbing hinges for vehicle doors}
	{, e.g. for balanced wings}	11/02	<ul> <li>Lubricating arrangements</li> </ul>
7/083	with a fixed pivot axis	11/04	<ul> <li>relating to the use of free balls as bearing-surfaces</li> </ul>
7/084	with a movable pivot axis		(E05D 7/06 takes precedence)
7/085	with two or more pivot axes, e.g. used at the	2011/045	• • {located in line with the hinge axis}
	same time	11/06	• Devices for limiting the opening movement of
7/086	Braking devices structurally combined with	11/00	hinges
	hinges (braking devices for windows per se	11/08	<ul> <li>Friction devices between relatively-movable hinge parts (E05D 7/086 takes precedence)</li> </ul>
	E05F 5/00)	11/081	• • {with both radial and axial friction, e.g. conical
7/10	• to allow easy separation {or connection} of the parts	11/061	friction surfaces}
	at the hinge axis ({E05D 5/12 and E05D 15/50 take	11/082	• • {with substantially radial friction, e.g. cylindrical
7/1005	precedence } ; substitutes for hinges <u>E05D 1/06</u> )	11,002	friction surfaces}
7/1005	• • {by axially moving free pins, balls or sockets}	11/084	• • • {the friction depending on direction of rotation
7/1011	• • • {biased by free springs ( <u>E05D 7/1016</u> takes precedence)}	.,	or opening angle of the hinge}
7/1016	• • {requiring a specific angular position}	2011/085	• • • {the friction depending on the opening angle}
7/1010	<ul><li> {requiring a specific angular position}</li><li> {with snap-fitted pins}</li></ul>	11/087	• • {with substantially axial friction, e.g. friction
2007/1027	{by axially moving free pins}		disks}
2007/1027	<ul><li> {by axially moving free balls}</li></ul>	2011/088	• • {with automatic disengagement}
	(-) ) 6		

11/10	<ul> <li>Devices for preventing movement between</li> </ul>	15/02	<ul> <li>for revolving wings</li> </ul>
	relatively-movable hinge parts	15/04	• with arms fixed on the wing pivoting about an axis
11/1007	• • {with positive locking}		outside of the wing
11/1014	• • {for maintaining the hinge in only one position, e.g. closed}	15/06	<ul> <li>for wings sliding horizontally more or less in their own plane</li> </ul>
11/1021	• • • {the hinge having two or more pins and being specially adapted for cabinets or furniture}	15/0604	• • {allowing an additional movement (E05D 15/10 takes precedence; raising wings before sliding
11/1028	• • {for maintaining the hinge in two or more		E05D 15/565)}
	positions, e.g. intermediate or fully open}	15/0608	• • {caused by track lay-out}
2011/1035	{with circumferential and evenly distributed	15/0613	• • • { with multi-directional trolleys}
	detents around the pivot-axis}	15/0617	• • {of cantilever type}
11/1042	<ul> <li>• { the maintaining means being a cam and a torsion bar, e.g. motor vehicle hinge mechanisms}</li> </ul>	15/0621	• • {Details, e.g. suspension or supporting guides (E05D 15/0604, E05D 15/08 - E05D 15/14 take precedence)}
11/105	• • { the maintaining means acting perpendicularly	15/0626	• • · {for wings suspended at the top}
	to the pivot axis}	15/063	• • • {on wheels with fixed axis}
11/1057	• • • • {specially adapted for vehicles	15/0634	• • • • {with height adjustment}
11/10/4	(E05D 11/1064 takes precedence)}	15/0639	• • • • {by vertical bolts}
11/1064	• • • { with a coil spring perpendicular to the pivot axis}	15/0643	• • • {on balls or floating rollers}
11/1071	• • • • { specially adapted for vehicles }	15/0647	• • • {on sliding blocks}
11/1071	• • • {the maintaining means acting parallel to the	15/0652	• • • • {Tracks ( <u>E05D 15/063</u> - <u>E05D 15/0647</u> and <u>E05D 15/0656</u> take precedence)}
11/1005	<pre>pivot} {specially adapted for vehicles}</pre>	15/0656	{Bottom guides}
11/1085 2011/1092	<ul><li> { specially adapted for vehicles }</li><li>. { the angle between the hinge parts being</li></ul>	15/066	• • • {for wings supported at the bottom}
2011/1092	adjustable}	15/0665	• • • • {on wheels with fixed axis}
		15/0669	• • • • {with height adjustment}
13/00	Accessories for sliding or lifting wings, e.g. pulleys,	15/0673	• • • • {by vertical bolts}
	safety catches ({closers or openers for horizontally	15/0678	• • • • {on balls or floating rollers}
	sliding wings <u>E05F 1/02</u> , <u>E05F 1/08</u> }; counterbalance	15/0682	• • • • {on sliding blocks}
13/003	devices {for swinging wings} <u>E05F 1/00</u> , <u>E05F 3/00</u> ) • {Anti-dropping devices ( <u>E05D 13/1223</u> ,	15/0686	• • • • {Tracks ( <u>E05D 15/0665</u> - <u>E05D 15/0682</u> and <u>E05D 15/0691</u> take precedence)}
	E05D 13/1246, E05D 13/1269, E05D 13/1292 take	15/0691	• • • • {Top guides}
12/006	(fixed to the wing, i.e. sefety getakes)	2015/0695	• • • {Magnetic suspension or supporting means}
13/006	• • {fixed to the wing, i.e. safety catches}	2015/0695 15/08	• consisting of two or more independent parts
13/006 13/04	<ul><li>• {fixed to the wing, i.e. safety catches}</li><li>• {Fasteners specially adapted for holding sliding</li></ul>	15/08	• consisting of two or more independent parts movable each in its own guides
13/04	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed <u>E05C</u>)}</li> </ul>		<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel</li> </ul>
13/04 13/06	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed <u>E05C</u>)}</li> <li>• {with notches for vertically sliding wings}</li> </ul>	15/08 15/10	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> </ul>
13/04 13/06 13/08	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>• {with notches for vertically sliding wings}</li> <li>• {acting by friction for vertically sliding wings}</li> </ul>	15/08	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars}</li> </ul>
13/04 13/06 13/08 13/10	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>• {with notches for vertically sliding wings}</li> <li>• {acting by friction for vertically sliding wings}</li> <li>• {Counterbalance devices}</li> </ul>	15/08 15/10	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007,</li> </ul>
13/04 13/06 13/08 13/10 13/12	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{Counterbalance devices}</li> <li>{with springs}</li> </ul>	15/08 15/10	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars}</li> </ul>
13/04 13/06 13/08 13/10	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>• {with notches for vertically sliding wings}</li> <li>• {acting by friction for vertically sliding wings}</li> <li>• {Counterbalance devices}</li> <li>• {with springs}</li> <li>• • {with tension springs}</li> <li>• • {specially adapted for overhead wings}</li> </ul>	15/08 15/10	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{Counterbalance devices}</li> <li>{with springs}</li> <li>{with tension springs}</li> </ul>	15/08 15/10 15/1002	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{Counterbalance devices}</li> <li>{with springs}</li> <li>{with tension springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{Spring safety devices}</li> <li>{with compression springs}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>• {with notches for vertically sliding wings}</li> <li>• {acting by friction for vertically sliding wings}</li> <li>• {Counterbalance devices}</li> <li>• {with springs}</li> <li>• • {with tension springs}</li> <li>• • • {specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>• • • {Spring safety devices}</li> <li>• • {with compression springs}</li> <li>• • • {specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223 13/123	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{Counterbalance devices}</li> <li>{with springs}</li> <li>{with tension springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{spring safety devices}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223 13/123 13/123	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>• {with notches for vertically sliding wings}</li> <li>• {acting by friction for vertically sliding wings}</li> <li>• {Counterbalance devices}</li> <li>• {with springs}</li> <li>• • {with tension springs}</li> <li>• • • {specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>• • • {Spring safety devices}</li> <li>• • {with compression springs}</li> <li>• • • {specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223 13/123 13/1238	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{Counterbalance devices}</li> <li>{with springs}</li> <li>{with tension springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{spring safety devices}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223 13/123 13/1238 13/1246 13/1253	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{Counterbalance devices}</li> <li>{with springs}</li> <li>{with springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223 13/123 13/123 13/1246 13/1253 13/1261	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{counterbalance devices}</li> <li>{with springs}</li> <li>{with tension springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> <li>{specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>{spring safety devices}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g.</li> </ul>
13/04 13/06 13/08 13/10 13/12 13/1207 13/1215 13/1223 13/1223 13/1238 13/1246 13/1253 13/1261 13/1269	<ul> <li>• {fixed to the wing, i.e. safety catches}</li> <li>• {Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>• {with notches for vertically sliding wings}</li> <li>• {acting by friction for vertically sliding wings}</li> <li>• {counterbalance devices}</li> <li>• {with springs}</li> <li>• • {with tension springs}</li> <li>• • {specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>• • {Spring safety devices}</li> <li>• • {with compression springs}</li> <li>• • {specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>• • {Spring safety devices}</li> <li>• • {with canted-coil torsion springs}</li> <li>• • {specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>• • {Spring safety devices}</li> <li>• • {with coiled ribbon springs, e.g. constant force springs (E05D 13/1253 takes precedence)}</li> <li>• • {specially adapted for overhead wings</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018 15/1021	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{accessories, e.g. sliding or rolling guides,</li> </ul>
13/04  13/06 13/08 13/10 13/12 13/1207 13/1215  13/1223 13/123 13/1238  13/1246 13/1253 13/1261  13/1269 13/1276	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{counterbalance devices}</li> <li>{with springs}</li> <li>{with springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> <li>{specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>{spring safety devices}</li> <li>{spring safety devices}</li> <li>{spring safety devices}</li> <li>{sypring safety devices}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018 15/1021 15/1023 2015/1026	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{accessories, e.g. sliding or rolling guides, latches}</li> </ul>
13/04  13/06 13/08 13/10 13/12 13/1207 13/1215  13/1223 13/123 13/1238  13/1246 13/1253 13/1261  13/1269 13/1276  13/1284	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{counterbalance devices}</li> <li>{with springs}</li> <li>{with springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> <li>{specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with coiled ribbon springs, e.g. constant force springs (E05D 13/1253 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{spring safety devices}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018 15/1021 15/1023 2015/1026 2015/1028	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{accessories, e.g. sliding or rolling guides, latches}</li> <li>{with only the wing moving transversely}</li> </ul>
13/04  13/06 13/08 13/10 13/12 13/1207 13/1215  13/1223 13/123 13/1238  13/1246 13/1253 13/1261  13/1269 13/1276  13/1284  13/1292 13/14	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{counterbalance devices}</li> <li>{with springs}</li> <li>{with springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> <li>{specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with coiled ribbon springs, e.g. constant force springs (E05D 13/1253 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with weights}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018 15/1021 15/1023 2015/1026 2015/1028	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{accessories, e.g. sliding or rolling guides, latches}</li> </ul>
13/04  13/06 13/08 13/10 13/12 13/1207 13/1215  13/1223 13/123 13/1238  13/1246 13/1253 13/1261  13/1269 13/1276  13/1284  13/1292 13/14 13/145	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{counterbalance devices}</li> <li>{with springs}</li> <li>{with tension springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> <li>{specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with coiled ribbon springs, e.g. constant force springs (E05D 13/1253 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{spring safety devices}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1013 15/1015 2015/1018 15/1021 15/1023 2015/1026 2015/1028 2015/1031	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{accessories, e.g. sliding or rolling guides, latches}</li> <li>{with only the wing moving transversely}</li> <li>{the wing supported on arms extending from the carriage}</li> <li>{the carriage having means for preventing</li> </ul>
13/04  13/06 13/08 13/10 13/12 13/1207 13/1215  13/1223 13/123 13/1238  13/1246 13/1253 13/1261  13/1269 13/1276  13/1284  13/1292 13/14	<ul> <li>{fixed to the wing, i.e. safety catches}</li> <li>{Fasteners specially adapted for holding sliding wings open (for holding wings closed E05C)}</li> <li>{with notches for vertically sliding wings}</li> <li>{acting by friction for vertically sliding wings}</li> <li>{counterbalance devices}</li> <li>{with springs}</li> <li>{with springs}</li> <li>{specially adapted for overhead wings (E05D 13/1223 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with compression springs}</li> <li>{specially adapted for overhead wings (E05D 13/1246 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with canted-coil torsion springs}</li> <li>{specially adapted for overhead wings (E05D 13/1269 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with coiled ribbon springs, e.g. constant force springs (E05D 13/1253 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{specially adapted for overhead wings (E05D 13/1292 takes precedence)}</li> <li>{spring safety devices}</li> <li>{with weights}</li> </ul>	15/08 15/10 15/1002 15/1005 15/1007 15/101 15/1015 2015/1018 15/1021 15/1023 2015/1026 2015/1028 2015/1031 2015/1034	<ul> <li>consisting of two or more independent parts movable each in its own guides</li> <li>movable out of one plane into a second parallel plane</li> <li>{specially adapted for use in railway-cars or mass transit vehicles (E05D 15/1007, E05D 15/1023, E05D 15/1044, E05D 15/1068 take precedence)}</li> <li>{the wing being supported on arms movable in horizontal planes}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{specially adapted for vehicles (E05D 15/1007 takes precedence)}</li> <li>{specially adapted for windows}</li> <li>{with an intermediate tilt position}</li> <li>{with the track rotating around its axis}</li> <li>{involving movement in a third direction, e.g. vertically}</li> <li>{specially adapted for use in railway-cars or mass transit vehicles}</li> <li>{accessories, e.g. sliding or rolling guides, latches}</li> <li>{with only the wing moving transversely}</li> <li>{the wing supported on arms extending from the carriage}</li> </ul>

2015/1039	• • • • {the wing sliding transversely on the carriage}	15/266	• • {comprising two pivots placed at opposite edges of the wing}
15/1042	• • • { with transversely moving carriage	2015/268	• • {the wings being successively folded}
15/1044	(E05D 15/1065 takes precedence)}	15/28	• supported on arms movable in horizontal plane
15/1044	<ul> <li> { specially adapted for use in railway-cars or mass transit vehicles}</li> </ul>	15/30 15/32	with pivoted arms and sliding guides
15/1047	• • • • {specially adapted for vehicles	15/34	<ul><li>with two pairs of pivoted arms</li><li>with wings opening parallel to themselves</li></ul>
10, 10 . ,	(E05D 15/1044 takes precedence)	15/34	<ul> <li>with wings opening parallel to themselves</li> <li>moving along slide-ways so arranged that one</li> </ul>
2015/1049	• • • • {the carriage swinging or rotating in a transverse plane}	13/30	guide-member of the wing moves in a direction substantially perpendicular to the movement of
2015/1052	{transversely over-dimensioned track		another guide member
2015/1055	sections or carriage} { with slanted or curved track sections or	15/38	• • for upwardly-moving wings, e.g. up-and-over doors
	cams}	15/40	<ul> <li>supported on arms movable in vertical planes</li> </ul>
	• • • • {the carriage swinging or rotating in those track sections}	15/401	• • {specially adapted for overhead wings (E05D 15/403 - E05D 15/46 take precedence)}
	• • • • {transversely orientated track sections}	15/403	• • { with arms fixed on the wing pivoting about an
	{disconnecting the carriage from the track}		axis outside the wing}
15/1065	• • • {with transversely moving track}	15/405	• • {with curved arms fixed on the wing, rolling on a
15/1068	• • • {specially adapted for use in railway-cars or	4.7/40.5	support}
2015/1071	mass transit vehicles}	15/406	• • {with pivoted arms and sliding guides
2015/1071	• • • { the track being directly linked to the fixed frame, e.g. slidingly }	15/400	(E05D 15/42, E05D 15/44 take precedence)
2015/1073	{rocking transversely}	15/408 15/42	<ul><li> {with sliding guides fixed to the wing}</li><li>. with pivoted arms and horizontally-sliding guides</li></ul>
2015/1075	• • • • {rocking transversely} • • • • {swinging transversely, e.g. on arms}	15/425	<ul> <li>with proted arms and nonzontany-stiding guides</li> <li>{specially adapted for overhead wings}</li> </ul>
	{swinging transversety, e.g. on arms}	15/425	<ul><li> (specially adapted for overhead wings)</li><li>. with pivoted arms and vertically-sliding guides</li></ul>
2013/1070	plane}	15/445	{specially adapted for overhead wings}
15/1081	• • • • (specially adapted for vehicles	15/46	<ul> <li>. (specially adapted for overhead wings)</li> <li>. with two pairs of pivoted arms</li> </ul>
	( <u>E05D 15/1068</u> takes precedence)}	15/463	• • • {specially adapted for overhead wings}
2015/1084	• • • { the carriage being directly linked to the	15/466	{specially adapted for windows}
	fixed frame, e.g. slidingly}	15/48	• allowing alternative movements ({E05D 15/0604
2015/1086	<b></b> {swingingly, e.g. on arms}		takes precedence } ; for vertically-sliding wings
			takes precedence j, for vertically-shallig wings
2015/1089	• • • • • {the carriage having means for		E05D 15/22)
	• • • • • {the carriage having means for preventing rotation of the wing}	2015/482	
	<ul><li> {the carriage having means for preventing rotation of the wing}</li><li> {the carriage swinging or rotating in</li></ul>	2015/485	E05D 15/22)  • {for panic doors}  • {Swinging or sliding movements}
2015/1092	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> </ul>	2015/485 2015/487	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> </ul>
2015/1092 2015/1094	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> </ul>	2015/485	E05D 15/22)  • {for panic doors}  • {Swinging or sliding movements}  • {Tilting or swinging movements}  • for opening at either of two opposite edges
2015/1092 2015/1094	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a</li> </ul>	2015/485 2015/487	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to</li> </ul>
2015/1092 2015/1094 2015/1097	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> </ul>	2015/485 2015/487	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts</li> </ul>
2015/1092 2015/1094 2015/1097 15/12	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> </ul>	2015/485 2015/487	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy</li> </ul>
2015/1092 2015/1094 2015/1097	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> </ul>	2015/485 2015/487	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts</li> </ul>
2015/1092 2015/1094 2015/1097 15/12	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the</li> </ul>	2015/485 2015/487	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> </ul>	2015/485 2015/487 15/50	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides}</li> </ul>	2015/485 2015/487 15/50	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts,</li> </ul>	2015/485 2015/487 15/50	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts,</li> </ul>	2015/485 2015/487 15/50 15/502 15/505	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20 takes precedence)}</li> <li> {specially adapted for overhead wings}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20 takes precedence)}</li> <li>. {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with horizontally-extending checks}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/242	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20 takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/242 15/244	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20) takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {Upper part guiding means}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/242	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li> consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20) takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {Upper part guiding means}</li> <li> {with additional guide rail for producing an</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> <li>• {Corner supports}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/244 15/246	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20) takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {Upper part guiding means}</li> <li> {with additional guide rail for producing an additional movement}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208 15/5211 15/5214 15/5217	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> <li>• {Correr supports}</li> <li>• {Tilt-lock devices}</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/242 15/244	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20) takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {With additional guide rail for producing an additional movement}</li> <li> {with lever arms for producing an additional</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> <li>• {Correr supports}</li> <li>• {Tilt-lock devices}</li> <li>• with disconnecting means for the appropriate</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/244 15/246 15/248	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20) takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {With additional guide rail for producing an additional movement}</li> <li> {with lever arms for producing an additional movement}</li> <li> {with lever arms for producing an additional movement}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208 15/5211 15/5214 15/5217 15/522	<ul> <li>FOSD 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with horizontally-extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> <li>• {Corner supports}</li> <li>• {Tilt-lock devices}</li> <li>• with disconnecting means for the appropriate pivoting parts</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/242 15/246 15/248 15/26	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20 takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {With additional guide rail for producing an additional movement}</li> <li> {with lever arms for producing an additional movement}</li> <li> {with lever arms for producing an additional movement}</li> <li>. for folding wings</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208 15/5211 15/5214 15/5217 15/522 15/522	<ul> <li>E05D 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with horizontally-extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> <li>• {Corner supports}</li> <li>• {Tilt-lock devices}</li> <li>• with disconnecting means for the appropriate pivoting parts</li> <li>• using movable rods</li> </ul>
2015/1092 2015/1094 2015/1097 15/12 15/14 15/16 15/165 15/18 15/20 15/22 2015/225 15/24 15/244 15/246 15/248	<ul> <li> {the carriage having means for preventing rotation of the wing}</li> <li> {the carriage swinging or rotating in curved track sections}</li> <li> {disconnecting itself from the track}</li> <li> {with the carriage and track forming a telescopic element}</li> <li>. consisting of parts connected at their edges</li> <li>. with movable arms situated in the plane of the wing</li> <li>. for wings sliding vertically more or less in their own plane</li> <li>. {Details, e.g. sliding or rolling guides (E05D 15/18 - E05D 15/24 take precedence)}</li> <li>. consisting of two or more independent parts, movable each in its own guides</li> <li>. movable out of one plane into a second parallel plane</li> <li>. allowing an additional movement {(E05D 15/20) takes precedence)}</li> <li> {specially adapted for overhead wings}</li> <li>. consisting of parts connected at their edges</li> <li> {Hinge connections between the parts}</li> <li> {With additional guide rail for producing an additional movement}</li> <li> {with lever arms for producing an additional movement}</li> <li> {with lever arms for producing an additional movement}</li> </ul>	2015/485 2015/487 15/50 15/502 15/505 15/507 15/52 15/5202 15/5205 15/5208 15/5211 15/5214 15/5217 15/522	<ul> <li>FOSD 15/22)</li> <li>• {for panic doors}</li> <li>• {Swinging or sliding movements}</li> <li>• {Tilting or swinging movements}</li> <li>• for opening at either of two opposite edges {(hinges or pivots of special construction to allow easy separation or connection of the parts at the hinge axis E05D 7/10; to allow easy detachment of the hinge from the wing or the frame E05D 7/12)}</li> <li>• {by axial separation of the hinge parts at the hinge axis}</li> <li>• {by radial separation of the hinge parts at the hinge axis}</li> <li>• {by detachment of the hinge from the wing or the frame}</li> <li>• for opening about a vertical as well as a horizontal axis</li> <li>• {with non-horizontally extending checks}</li> <li>• {with horizontally-extending checks}</li> <li>• {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}</li> <li>• {Concealed suspension fittings}</li> <li>• {Corner supports}</li> <li>• {Tilt-lock devices}</li> <li>• with disconnecting means for the appropriate pivoting parts</li> </ul>

15/526	• • • Safety devices {( <u>E05D 15/5217</u> takes
	precedence)}
2015/5263	• • • {acting parallel to the plane of the wing}
2015/5266	• • • {acting perpendicular to the plane of the
1.7.7.4	wing}
15/54	for opening both inwards and outwards
15/56	<ul> <li>with successive different movements {(raising wings before being turned E05F 7/02)}</li> </ul>
15/565	• • {for raising wings before sliding}
15/58	• with both swinging and sliding movements
15/581	• • • {the swinging axis laying in the sliding
	direction (E05D 15/1015 takes precedence)}
15/582	• • • {with horizontal swinging axis ( <u>E05D 15/581</u> takes precedence)}
15/583	• • • {specially adapted for overhead wings}
2015/585	{with stationary hinge parts}
2015/586	• • • {with travelling hinge parts}
2015/587	• • • {with axially separating hinge parts}
2015/588	• • • { with radially separating hinge parts }
2700/00	Hinges or other suspension devices especially for
	doors or windows
2700/02	• Hinges with one pivot axis and one bearing surface
2700/04	. Hinges with one pivot axis and more than one
	bearing surface
2700/10	• Various door and window fittings, e.g. suspension
	devices for double hung windows or screens
2700/12	. Suspension devices for doors or windows movable
	in a direction perpendicular to their plane or
	pivotable about an axis being situated at a
	considerable distance from the edge of the wing by
	means of pivot arms