

CPC**COOPERATIVE PATENT CLASSIFICATION****E05D****HINGES OR OTHER SUSPENSION DEVICES FOR DOORS, WINDOWS OR WINGS** ({foldable tables [A47B 3/00](#); hinged panels

[A47B 5/00](#); foldable chairs [A47C 4/00](#); making hinges [B21D 53/40](#), [B21K 13/02](#); making holes for taking-up fittings [B27F 5/12](#); for vehicle tailboards [B60P 1/26](#); for refuse receptacles [B65F 1/1646](#) } ; pivotal connections in general [F16C 11/00](#) {; mounting of stove or range doors [F24C 15/023](#); for folding flat displays of portable computers [G06F 1/1616](#))

WARNING

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

E05D 5/16 covered by [E05D 5/14](#)

E05D 7/081 covered by [E05D 7/08](#)

E05D 7/083 covered by [E05D 7/082](#)

E05D 15/04 covered by [E05D 15/02](#), [E05D 15/28](#), [E05D 15/403](#)

E05D 15/522 covered by [E05D 15/52](#)

E05D 15/523 covered by [E05D 15/52](#)

E05D 15/524 covered by [E05D 15/52](#)

E05D 1/00**Pinless hinges; Substitutes for hinges**

E05D 1/02

- made of one piece

E05D 1/04

- with guide members shaped as circular arcs

E05D 2001/045

- {for telescopic hinges}

E05D 1/06

- consisting of two easily-separable parts

E05D 3/00**Hinges with pins {(E05D 7/08 takes precedence)}**

E05D 3/02

- with one pin

E05D 3/022

- {allowing an additional lateral movement, e.g. for sealing}

E05D 2003/025

- {having three knuckles}

E05D 2003/027

- {the end knuckles being mutually connected}

E05D 3/04

- engaging three or more parts, e.g. sleeves, movable relatively to one another for connecting two or more wings to another member

E05D 3/06

- with two or more pins ([E05D 7/08](#) takes precedence)

E05D 3/08

- for swing-doors, i.e. openable by pushing from either side

E05D 3/10

- with non-parallel pins

E05D 3/12

- with two parallel pins and one arm

E05D 3/122

- {Gear hinges}

E05D 3/125

- {specially adapted for vehicles}

E05D 3/127

- {for vehicle doors}

E05D 3/14

- with four parallel pins and two arms

- E05D 3/142 . . . {with at least one of the hinge parts having a cup-shaped fixing part, e.g. for attachment to cabinets or furniture ([E05D 11/1021](#) takes precedence)}
- E05D 3/145 . . . {specially adapted for vehicles}
- E05D 3/147 {for vehicle doors}
- E05D 3/16 . . with seven parallel pins and four arms
- E05D 2003/163 . . . {Horizontal pivot-axis}
- E05D 2003/166 . . . {Vertical pivot-axis}
- E05D 3/18 . . with sliding pins or guides
- E05D 3/183 . . . {with at least one of the hinge parts having a cup-shaped fixing part, e.g. for attachment to cabinets or furniture}
- E05D 3/186 . . . {Scissors hinges, with two crossing levers and five parallel pins}

E05D 5/00**Construction of single parts, e.g. the parts for attachment**

- E05D 5/02 . Parts for attachment, e.g. flaps
- E05D 5/0207 . . {for attachment to vehicles ([E05D 5/043](#), [E05D 5/062](#) take precedence)}
- E05D 5/0215 . . {for attachment to profile members or the like}
- E05D 5/0223 . . . {with parts, e.g. screws, extending through the profile wall or engaging profile grooves}
- E05D 5/023 {with parts extending through the profile wall}
- E05D 5/0238 {with parts engaging profile grooves}
- E05D 5/0246 . . {for attachment to glass panels}
- E05D 2005/0253 . . . {the panels having conical or stepped recesses}
- E05D 2005/0261 . . . {connecting two or more glass panels}
- E05D 2005/0269 {the panels being coplanar}
- E05D 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)}
- E05D 2005/0284 . . {for embedding in concrete or masonry}
- E05D 2005/0292 . . {for passing through insulating layers}
- E05D 5/04 . . Flat flaps
- E05D 5/043 . . . {specially adapted for vehicles}
- E05D 5/046 . . . {specially adapted for cabinets or furniture}
- E05D 5/06 . . Bent flaps
- E05D 5/062 . . . {specially adapted for vehicles}
- E05D 5/065 . . . {specially adapted for cabinets or furniture}
- E05D 2005/067 . . . {gooseneck shaped}
- E05D 5/08 . . of cylindrical shape
- E05D 5/10 . Pins, sockets or sleeves; Removable pins ([E05D 15/522](#) takes precedence)
- E05D 2005/102 . . {Pins}
- E05D 2005/104 . . . {characterised by the materials}
- E05D 2005/106 . . . {with non-cylindrical portions}
- E05D 2005/108 . . . {with elastically deformable parts}

- E05D 5/12 . . . Securing pins in sockets, movably or not
- E05D 5/121 . . . {Screw-threaded pins}
- E05D 2005/122 . . . {externally threaded}
- E05D 2005/124 . . . {internally threaded}
- E05D 5/125 . . . {Non-removable, snap-fitted pins (removable snap-fitted pins [E05D 7/1022](#), [E05D 7/1055](#))}
- E05D 5/127 . . . {by forcing the pin into the socket ([E05D 5/125](#) takes precedence)}
- E05D 5/128 . . . {the pin having a recess or through-hole engaged by a securing member}
- E05D 5/14 . . . Construction of sockets or sleeves
- E05D 2005/145 . . . {with elastically deformable parts}
- E05D 5/16 . . . to be secured without special attachment parts on the socket or sleeve

- E05D 7/00** **Hinges or pivots of special construction** (used for special suspension arrangements [E05D 15/00](#); so as to be self-closing [E05F 1/06](#), [E05F 1/12](#); with means for raising wings before being turned [E05F 7/02](#))
- E05D 7/0009 . . {Adjustable hinges ([E05D 7/04](#) takes precedence)}
- E05D 7/0018 . . . {at the hinge axis}
- E05D 7/0027 . . . {in an axial direction}
- E05D 2007/0036 . . . {with axially fixed hinge pins}
- E05D 7/0045 . . . {in a radial direction}
- E05D 7/0054 . . . {by means of eccentric parts}
- E05D 2007/0063 . . . {Eccentric hinge pins}
- E05D 2007/0072 . . . {with sliding sleeves}
- E05D 2007/0081 . . . {with swinging or rolling sleeves}
- E05D 7/009 . . {Elongate hinges, e.g. piano-hinges}
- E05D 7/02 . . for use on the right-hand as well as the left-hand side; Convertible right-hand or left-hand hinges
- E05D 7/04 . . Hinges adjustable relative to the wing or the frame
- E05D 7/0407 . . {the hinges having two or more pins and being specially adapted for cabinets or furniture}
- E05D 7/0415 . . {with adjusting drive means}
- E05D 7/0423 . . . {Screw-and-nut mechanisms ([E05D 7/0407](#), [E05D 7/043](#) take precedence)}
- E05D 7/043 . . {by means of dowel attachments}
- E05D 2007/0438 . . . {with bolts fixedly mounted on the hinge part}
- E05D 2007/0446 . . . {with threaded bolts fixedly mounted on the hinge part}
- E05D 2007/0453 . . . {with threaded sleeves}
- E05D 2007/0461 . . {in angular arrangement to the wing or the frame}
- E05D 2007/0469 . . {in an axial direction}
- E05D 2007/0476 . . {Pocket hinges}
- E05D 2007/0484 . . {in a radial direction}
- E05D 2007/0492 . . {in three directions}
- E05D 7/06 . . to allow tilting of the members

- E05D 7/08
 - for use in suspensions comprising two spigots placed at opposite edges of the wing, especially at the top and the bottom, e.g. trunnions [{E05D 15/266 takes precedence}](#)
- E05D 7/081
 - . the pivot axis of the wing being situated near one edge of the wing, especially at the top and bottom, e.g. trunnions
- E05D 7/082
 - . the pivot axis of the wing being situated at a considerable distance from the edges of the wing, [{e.g. for balanced wings}](#)
- E05D 7/083
 - . . with a fixed pivot axis
- E05D 7/084
 - . . with a movable pivot axis
- E05D 7/085
 - . . . with two or more pivot axes, e.g. used at the same time
- E05D 7/086
 - . . Braking devices structurally combined with hinges [\(braking devices for windows per se E05F 5/00\)](#)
- E05D 7/10
 - to allow easy separation [{or connection}](#) of the parts at the hinge axis [\({E05D 5/12 and E05D 15/50 take precedence } ; substitutes for hinges E05D 1/06\)](#)
- E05D 7/1005
 - . [{by axially moving free pins, balls or sockets}](#)
- E05D 7/1011
 - . . [{biased by free springs \(E05D 7/1016 takes precedence\)}](#)
- E05D 7/1016
 - . . [{requiring a specific angular position}](#)
- E05D 7/1022
 - . . [{with snap-fitted pins}](#)
- E05D 2007/1027
 - . . [{by axially moving free pins}](#)
- E05D 2007/1033
 - . . [{by axially moving free balls}](#)
- E05D 2007/1038
 - . . [{by axially moving free sockets}](#)
- E05D 7/1044
 - . [{in an axial direction \(E05D 7/1005 takes precedence\)}](#)
- E05D 7/105
 - . . [{requiring a specific angular position}](#)
- E05D 7/1055
 - . . [{with snap-fitted pins}](#)
- E05D 7/1061
 - . [{in a radial direction \(E05D 7/1005 takes precedence\)}](#)
- E05D 7/1066
 - . . [{requiring a specific angular position}](#)
- E05D 7/1072
 - . . . [{the pin having a non-circular cross-section}](#)
- E05D 7/1077
 - . . [{with snap-fitted pins}](#)
- E05D 7/1083
 - . [{facilitating simultaneous assembly of a plurality of hinges, e.g. for mounting heavy wings}](#)
- E05D 2007/1088
 - . . [{using hinge pins having different lengths}](#)
- E05D 2007/1094
 - . [{Guiding devices therefor}](#)
- E05D 7/12
 - to allow easy detachment of the hinge from the wing or the frame [{\(E05D 15/507 takes precedence\)}](#)
- E05D 7/121
 - . [{specially adapted for vehicles}](#)
- E05D 7/123
 - . [{specially adapted for cabinets or furniture}](#)
- E05D 7/125
 - . . [{the hinge having two or more pins}](#)
- E05D 2007/126
 - . [{in an axial direction}](#)
- E05D 2007/128
 - . [{in a radial direction}](#)
- E05D 7/14
 - Hinges for safes
- E05D 9/00**

Flaps or sleeves specially designed for making from particular material, e.g. hoop-iron, sheet metal, plastics
- E05D 9/005
 - [{from plastics \(E05D 1/02 takes precedence\)}](#)

E05D 11/00	Additional features or accessories of hinges {(edge protecting devices E06B 3/88)}
E05D 11/0009	. {Templates for marking the position of fittings on wings or frames (implements for making doors, windows or frames E04F 21/003)}
E05D 11/0018	. {Anti-tamper devices}
E05D 11/0027	. . {arranged on or near the hinge and comprising parts interlocking as the wing closes, e.g. security studs}
E05D 2011/0036	. . . {near the hinge}
E05D 2011/0045	. . . {on the hinge}
E05D 11/0054	. {Covers, e.g. for protection}
E05D 2011/0063	. . {for screw-heads or bolt-heads}
E05D 2011/0072	. . {for the gap between hinge parts}
E05D 11/0081	. {for transmitting energy, e.g. electrical cable routing}
E05D 2011/009	. {Impact absorbing hinges for vehicle doors}
E05D 11/02	. Lubricating arrangements
E05D 11/04	. relating to the use of free balls as bearing-surfaces (E05D 7/06 takes precedence)
E05D 2011/045	. . {located in line with the hinge axis}
E05D 11/06	. Devices for limiting the opening movement of hinges
E05D 11/08	. Friction devices between relatively-movable hinge parts (E05D 7/086 takes precedence)
E05D 11/081	. . {with both radial and axial friction, e.g. conical friction surfaces}
E05D 11/082	. . {with substantially radial friction, e.g. cylindrical friction surfaces}
E05D 11/084	. . . {the friction depending on direction of rotation or opening angle of the hinge}
E05D 2011/085	. . . {the friction depending on the opening angle}
E05D 11/087	. . {with substantially axial friction, e.g. friction disks}
E05D 2011/088	. . {with automatic disengagement}
E05D 11/10	. Devices for preventing movement between relatively-movable hinge parts
E05D 11/1007	. . {with positive locking}
E05D 11/1014	. . {for maintaining the hinge in only one position, e.g. closed}
E05D 11/1021	. . . {the hinge having two or more pins and being specially adapted for cabinets or furniture}
E05D 11/1028	. . {for maintaining the hinge in two or more positions, e.g. intermediate or fully open}
E05D 2011/1035	. . . {with circumferential and evenly distributed detents around the pivot-axis}
E05D 11/1042	. . . {the maintaining means being a cam and a torsion bar, e.g. motor vehicle hinge mechanisms}
E05D 11/105	. . . {the maintaining means acting perpendicularly to the pivot axis}
E05D 11/1057	. . . . {specially adapted for vehicles (E05D 11/1064 takes precedence)}
E05D 11/1064	. . . . {with a coil spring perpendicular to the pivot axis}
E05D 11/1071	. . . . {specially adapted for vehicles}
E05D 11/1078	. . . {the maintaining means acting parallel to the pivot}
E05D 11/1085	. . . . {specially adapted for vehicles}

E05D 2011/1092 . . {the angle between the hinge parts being adjustable}

E05D 13/00

Accessories for sliding or lifting wings, e.g. pulleys, safety catches ({closers or openers for horizontally sliding wings [E05F 1/02](#), [E05F 1/08](#); counterbalance devices {for swinging wings} [E05F 1/00](#), [E05F 3/00](#))

- E05D 13/003 . {Anti-dropping devices ([E05D 13/1223](#), [E05D 13/1246](#), [E05D 13/1269](#), [E05D 13/1292](#) take precedence)}
- E05D 13/006 . . {fixed to the wing, i.e. safety catches}
- E05D 13/04 . Fasteners specially adapted for holding sliding wings open (for holding wings closed [E05C](#))
- E05D 13/06 . . with notches {for vertically sliding wings}
- E05D 13/08 . . acting by friction {for vertically sliding wings}
- E05D 13/10 . {Counterbalance devices}
- E05D 13/12 . . {with springs}
- E05D 13/1207 . . . {with tension springs}
- E05D 13/1215 {specially adapted for overhead wings ([E05D 13/1223](#) takes precedence)}
- E05D 13/1223 {Spring safety devices}
- E05D 13/123 . . . {with compression springs}
- E05D 13/1238 {specially adapted for overhead wings ([E05D 13/1246](#) takes precedence)}
- E05D 13/1246 {Spring safety devices}
- E05D 13/1253 . . . {with canted-coil torsion springs}
- E05D 13/1261 {specially adapted for overhead wings ([E05D 13/1269](#) takes precedence)}
- E05D 13/1269 {Spring safety devices}
- E05D 13/1276 . . . {with coiled ribbon springs, e.g. constant force springs ([E05D 13/1253](#) takes precedence)}
- E05D 13/1284 {specially adapted for overhead wings ([E05D 13/1292](#) takes precedence)}
- E05D 13/1292 {Spring safety devices}
- E05D 13/14 . . {with weights}
- E05D 13/145 . . . {specially adapted for overhead wings}

E05D 15/00

Suspension arrangements for wings (arrangements of wings not characterised by the construction of the supporting means [E06B 3/32](#))

- E05D 15/02 . for revolving wings
- E05D 15/04 . with arms fixed on the wing pivoting about an axis outside of the wing
- E05D 15/06 . for wings sliding horizontally more or less in their own plane
- E05D 15/0604 . . {allowing an additional movement ([E05D 15/10](#) takes precedence; raising wings before sliding [E05D 15/565](#))}
- E05D 15/0608 . . . {caused by track lay-out}
- E05D 15/0613 {with multi-directional trolleys}
- E05D 15/0617 . . {of cantilever type}
- E05D 15/0621 . . {Details, e.g. suspension or supporting guides ([E05D 15/0604](#), [E05D 15/08](#) to [E05D 15/14](#) take precedence)}
- E05D 15/0626 . . . {for wings suspended at the top}

E05D 15/063	. . . .	{on wheels with fixed axis}
E05D 15/0634	. . . . .	{with height adjustment}
E05D 15/0639	. . . . .	{by vertical bolts}
E05D 15/0643	. . . .	{on balls or floating rollers}
E05D 15/0647	. . . .	{on sliding blocks}
E05D 15/0652	. . . .	{Tracks (E05D 15/063 to E05D 15/0647 and E05D 15/0656 take precedence)}
E05D 15/0656	. . . .	{Bottom guides}
E05D 15/066	. . .	{for wings supported at the bottom}
E05D 15/0665	. . . .	{on wheels with fixed axis}
E05D 15/0669	. . . . .	{with height adjustment}
E05D 15/0673	. . . . .	{by vertical bolts}
E05D 15/0678	. . . .	{on balls or floating rollers}
E05D 15/0682	. . . .	{on sliding blocks}
E05D 15/0686	. . . .	{Tracks (E05D 15/0665 to E05D 15/0682 and E05D 15/0691 take precedence)}
E05D 15/0691	. . . .	{Top guides}
E05D 2015/0695	. . .	{Magnetic suspension or supporting means}
E05D 15/08	. .	consisting of two or more independent parts movable each in its own guides
E05D 15/10	. .	movable out of one plane into a second parallel plane
E05D 15/1002	. . .	{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)}
E05D 15/1005	. . .	{the wing being supported on arms movable in horizontal planes}
E05D 15/1007	. . . .	{specially adapted for use in railway-cars or mass transit vehicles}
E05D 15/101	. . . .	{specially adapted for vehicles (E05D 15/1007 takes precedence)}
E05D 15/1013	. . . .	{specially adapted for windows}
E05D 15/1015	. . . . .	{with an intermediate tilt position}
E05D 2015/1018	. . .	{with the track rotating around its axis}
E05D 15/1021	. . .	{involving movement in a third direction, e.g. vertically}
E05D 15/1023	. . . .	{specially adapted for use in railway-cars or mass transit vehicles}
E05D 2015/1026	. . .	{accessories, e.g. sliding or rolling guides, latches}
E05D 2015/1028	. . .	{with only the wing moving transversely}
E05D 2015/1031	. . . .	{the wing supported on arms extending from the carriage}
E05D 2015/1034	. . . . .	{the carriage having means for preventing rotation of the wing}
E05D 2015/1036	. . . . .	{the arms being movable in vertical, e.g. transverse, planes}
E05D 2015/1039	. . . .	{the wing sliding transversely on the carriage}
E05D 15/1042	. . .	{with transversely moving carriage (E05D 15/1065 takes precedence)}
E05D 15/1044	. . . .	{specially adapted for use in railway-cars or mass transit vehicles}
E05D 15/1047	. . . .	{specially adapted for vehicles (E05D 15/1044 takes precedence)}
E05D 2015/1049	. . . .	{the carriage swinging or rotating in a transverse plane}

E05D 2015/1052	. . . . {transversely over-dimensioned track sections or carriage}
E05D 2015/1055	. . . . {with slanted or curved track sections or cams}
E05D 2015/1057	. . . . . {the carriage swinging or rotating in those track sections}
E05D 2015/106	. . . . {transversely orientated track sections}
E05D 2015/1063	. . . . {disconnecting the carriage from the track}
E05D 15/1065	. . . {with transversely moving track}
E05D 15/1068	. . . . {specially adapted for use in railway-cars or mass transit vehicles}
E05D 2015/1071	. . . . {the track being directly linked to the fixed frame, e.g. slidingly}
E05D 2015/1073	. . . . . {rocking transversely}
E05D 2015/1076	. . . . . {swinging transversely, e.g. on arms}
E05D 2015/1078	. . . . . {swinging or rotating in a horizontal plane}
E05D 15/1081	. . . . {specially adapted for vehicles (E05D 15/1068 takes precedence)}
E05D 2015/1084	. . . . {the carriage being directly linked to the fixed frame, e.g. slidingly}
E05D 2015/1086	. . . . . {swingingly, e.g. on arms}
E05D 2015/1089	. . . . . {the carriage having means for preventing rotation of the wing}
E05D 2015/1092	. . . . . {the carriage swinging or rotating in curved track sections}
E05D 2015/1094	. . . . . {disconnecting itself from the track}
E05D 2015/1097	. . . . {with the carriage and track forming a telescopic element}
E05D 15/12	. . consisting of parts connected at their edges
E05D 15/14	. . with movable arms situated in the plane of the wing
E05D 15/16	. for wings sliding vertically more or less in their own plane
E05D 15/165	. . {Details, e.g. sliding or rolling guides (E05D 15/18 to E05D 15/24 take precedence)}
E05D 15/18	. . consisting of two or more independent parts, movable each in its own guides
E05D 15/20	. . movable out of one plane into a second parallel plane
E05D 15/22	. . allowing an additional movement {(E05D 15/20 takes precedence)}
E05D 2015/225	. . . {specially adapted for overhead wings}
E05D 15/24	. . consisting of parts connected at their edges
E05D 15/242	. . . {Hinge connections between the parts}
E05D 15/244	. . . {Upper part guiding means}
E05D 15/246	. . . . {with additional guide rail for producing an additional movement}
E05D 15/248	. . . . {with lever arms for producing an additional movement}
E05D 15/26	. for folding wings
E05D 15/262	. . {folding vertically}
E05D 15/264	. . {for bi-fold wings}
E05D 15/266	. . . {comprising two pivots placed at opposite edges of the wing}
E05D 2015/268	. . {the wings being successively folded}
E05D 15/28	. supported on arms movable in horizontal plane
E05D 15/30	. . with pivoted arms and sliding guides
E05D 15/32	. . with two pairs of pivoted arms

- E05D 15/34 . . . with wings opening parallel to themselves
- E05D 15/36 . moving along slide-ways so arranged that one guide-member of the wing moves in a direction substantially perpendicular to the movement of another guide member
- E05D 15/38 . . for upwardly-moving wings, e.g. up-and-over doors
- E05D 15/40 . supported on arms movable in vertical planes
- E05D 15/401 . . {specially adapted for overhead wings ([E05D 15/403](#) to [E05D 15/46](#) take precedence)}
- E05D 15/403 . . {with arms fixed on the wing pivoting about an axis outside the wing}
- E05D 15/405 . . {with curved arms fixed on the wing, rolling on a support}
- E05D 15/406 . . {with pivoted arms and sliding guides ([E05D 15/42](#), [E05D 15/44](#) take precedence)}
- E05D 15/408 . . . {with sliding guides fixed to the wing}
- E05D 15/42 . . with pivoted arms and horizontally-sliding guides
- E05D 15/425 . . . {specially adapted for overhead wings}
- E05D 15/44 . . with pivoted arms and vertically-sliding guides
- E05D 15/445 . . . {specially adapted for overhead wings}
- E05D 15/46 . . with two pairs of pivoted arms
- E05D 15/463 . . . {specially adapted for overhead wings}
- E05D 15/466 . . . {specially adapted for windows}
- E05D 15/48 . allowing alternative movements ({[E05D 15/0604](#) takes precedence } ; for vertically-sliding wings [E05D 15/22](#))
- E05D 2015/482 . . {for panic doors}
- E05D 2015/485 . . {Swinging or sliding movements}
- E05D 2015/487 . . {Tilting or swinging movements}
- E05D 15/50 . . 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](#))}
- E05D 15/502 . . . {by axial separation of the hinge parts at the hinge axis}
- E05D 15/505 . . . {by radial separation of the hinge parts at the hinge axis}
- E05D 15/507 . . . {by detachment of the hinge from the wing or the frame}
- E05D 15/52 . . for opening about a vertical as well as a horizontal axis
- E05D 15/5202 . . . {with non-horizontally extending checks}
- E05D 15/5205 . . . {with horizontally-extending checks}
- E05D 15/5208 . . . {with means for transmitting movements between vertical and horizontal sliding bars, rods or cables}
- E05D 15/5211 . . . {Concealed suspension fittings}
- E05D 15/5214 . . . {Corner supports}
- E05D 15/5217 . . . {Tilt-lock devices}
- E05D 15/522 . . . with disconnecting means for the appropriate pivoting parts
- E05D 15/523 using movable rods
- E05D 15/524 Actuating mechanisms
- E05D 15/526 . . . Safety devices ({[E05D 15/5217](#) takes precedence})

- E05D 2015/5263 {acting parallel to the plane of the wing}
- E05D 2015/5266 {acting perpendicular to the plane of the wing}
- E05D 15/54 . . for opening both inwards and outwards
- E05D 15/56 . with successive different movements {(raising wings before being turned [E05F 7/02](#))}
- E05D 15/565 . . {for raising wings before sliding}
- E05D 15/58 . . with both swinging and sliding movements
- E05D 15/581 . . . {the swinging axis laying in the sliding direction ([E05D 15/1015](#) takes precedence)}
- E05D 15/582 . . . {with horizontal swinging axis ([E05D 15/581](#) takes precedence)}
- E05D 15/583 {specially adapted for overhead wings}
- E05D 2015/585 . . . {with stationary hinge parts}
- E05D 2015/586 . . . {with travelling hinge parts}
- E05D 2015/587 . . . {with axially separating hinge parts}
- E05D 2015/588 . . . {with radially separating hinge parts}

- E05D 2700/00 Hinges or other suspension devices especially for doors or windows**
- E05D 2700/02 . Hinges with one pivot axis and one bearing surface
- E05D 2700/04 . Hinges with one pivot axis and more than one bearing surface
- E05D 2700/10 . Various door and window fittings, e.g. suspension devices for double hung windows or screens
- E05D 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