

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 15/40B](#)**

[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 15/26B1 , E05D 15/26B2B take precedence)}
- 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