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 1/00D ; 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 1/16P2H])

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 15/40 B
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 ({ E05D 15/06B2 takes precedence } ; 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