

Title (en)  
HINGED ARRANGEMENT WITH A SCREW FASTENING ASSEMBLY

Title (de)  
SCHARNIERANORDNUNG MIT EINER SCHRAUBBEFESTIGUNG

Title (fr)  
AGENCEMENT ARTICULÉ DOTÉ D'UN ENSEMBLE DE FIXATION DE VIS

Publication  
**EP 3699381 A1 20200826 (EN)**

Application  
**EP 20153088 A 20200122**

Priority  
PL 42903419 A 20190225

Abstract (en)  
The invention relates to a hinged arrangement (1), in particular a door or window hinged arrangement comprising at least two articulated hinge members (2), wherein at least one of said hinge members (2) has a fastening part (22) with at least two mounting holes (23) and is attachable to a profiled thermal insulation element (3) of a frame (4) or a sash (5), which profiled thermal insulation element (3) has at least one metal first box profile (31) and at least one metal second box profile (32) connected with each other via at least one thermal insulating rib (33) defining an internal thermal insulation space (34), by means of a screw fastening assembly (7) comprising at least two mounting screws (72) passable through said mounting holes (23) in the fastening part (22) and through mounting holes (35) in the profiled thermal insulation element (3). In order to increase durability and thermal insulation of the hinged arrangement (1), simplify its construction and reduce the manufacturing costs said screw fastening assembly (7) comprises at least two positioning dowels (71) provided with outer threads (711) and screwable into the mounting holes (35) of the profiled thermal insulation element (3) from its axially outer side, in which they knead internal threads while being screwed, and at least two locking sleeves (733) made of plastic and provided with sockets (731), said sockets (731) having cross-sectional diameter at the outlet larger than inside the socket (731), and with torque locking plates (732), and insertable into the mounting holes (35) of the profiled thermal insulation element (3) from its axially inner side, wherein said mounting screws (72) are screwable into said positioning dowels (71) and said sockets (731) of said locking sleeves (733) in which they knead internal threads while being screwed.

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Citation (applicant)  
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