

Title (en)
A HINGE ARRANGEMENT WITH A BLOCKING ARRANGEMENT

Title (de)
SCHARNIERANORDNUNG MIT EINER SPERRANORDNUNG

Title (fr)
AGENCEMENT DE CHARNIÈRE AVEC UN AGENCEMENT DE BLOCAGE

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Application
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PL 44063922 A 20220315

Abstract (en)

The present invention relates to a hinge arrangement (1), in particular a hidden hinge arrangement, comprising a first hinge member (2), a second hinge member (3) having an inner housing (33), and a hinge lever (35) connected in an articulated manner to a first hinge member (2) and comprising a mounting protrusion (351) protruded in a direction substantially perpendicular relative to the axis (A) of the hinge arrangement (1) into the inner housing (33), and provided with at least one mounting cutout (352) on the axially outer side thereof, and a blocking arrangement (6) mounting the blocking protrusion (351) of the hinge lever (35) in the internal housing (33) and comprising a first blocking member (61) embedded in the mounting cutout (352) of the blocking protrusion (351) and provided with a threaded opening (611) into which an adjusting screw (612) is screwed in, wherein the adjusting screw (612) is embedded in a rotational manner relative to an axis substantially perpendicular relative to the axis (A) of the hinge arrangement (1) and is provided with torque application means (613) accessible from the outer side of the second hinge member (3). To facilitate unblocking the blocking arrangement when the hinge lever (35) is inserted and blocked into the inner housing (33) said blocking arrangement (6) additionally comprises a rotary blocking shaft (63) embedded in the inner housing (33) in a rotational manner relative to an axis (B) substantially perpendicular relative to the axis (A) of the hinge arrangement (1), and provided with torque application means (633) accessible from the outer side of the second hinge member (3), and provided with at least one eccentric cam (634) which is mechanically coupleable to the second blocking member (62) that is embedded moveably relative to an axis substantially parallel relative to the axis (A) of the hinge arrangement (1), in the inner housing (33) between the blocking shaft (63) and the blocking protrusion (351), and during a rotation thereof dislocates the second blocking member (62) to a blocked position of the blocking arrangement (6) in which the second blocking member (62) is pressed against the mounting protrusion (351) of the hinge lever (35).

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EP 3529440 B1 20200805 - ROTO FRANK FENSTER UND TUERTECHNOLOGIE GMBH [DE]

Citation (search report)
• [XAI] EP 3103948 A1 20161214 - ROTO FRANK AG [DE]
• [XAI] GB 2490343 A 20121031 - GROUPTHOMESAFE LTD [GB]
• [A] EP 3034734 A1 20160622 - ROTO FRANK AG [DE]

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