

Title (en)
HINGE DEVICE FOR MOVING A DECORATIVE PANEL

Title (de)
SCHARNIERVORRICHTUNG ZUM BEWEGEN EINER ZIERPLATTE

Title (fr)
DISPOSITIF DE CHARNIÈRE POUR DÉPLACER UN PANNEAU DÉCORATIF

Publication
EP 4306752 A1 20240117 (EN)

Application
EP 23184702 A 20230711

Priority
IT 202200014662 A 20220712

Abstract (en)
A hinge device for moving a decorative panel (P) comprises a first member (3) assigned to be fixed to the frame or body of an appliance and hinged to by means of a hinge pin (7) to a second member (5) assigned to be fixed to a door of the same appliance. The elastic member (9) is connected to the first member (3) and interacts between the latter and the second member (5) by means of transmission elements (11) to impart a closing elastic force to the second member (5). The decorative panel (P) is constrained to slide parallel to the door and perpendicularly to the hinge pin (7) by interconnection constraint members. The device (1) comprises a joint member (13) for the decorative panel (P) for moving it along the constraint members. Such joint member (13) is hinged by means of a first pin (14) to a first end of a rocker element (15) whose opposite end bears a sliding pin (17) movable in a shaped slot (19) fixed to, or made in, a connection member (21) of the transmission elements (11) and pivoted, by means of a second pin (23), to the second member (5) in a separate point from the hinge pin (7). The connection member (21) is connected to the elastic member (9) by means of a connection element (35) of the transmission elements (11). The median portion of the rocker element (15) is pivoted by means of a third pin (25) to a first end of an arm element (27) whose opposite second end is rotatably engaged to the hinge pin (7).

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Citation (search report)
• [A] EP 3219244 A1 20170920 - NUOVA STAR SPA [IT]
• [A] EP 2407723 A1 20120118 - ELECTROLUX HOME PROD CORP [BE]

Designated contracting state (EPC)
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