

Title (en)
DEVICE FOR CONNECTING AN ELECTRICAL APPARATUS, INSTALLED ON A MOVEABLE DOOR LEAF, TO A CIRCUIT IN THE SUPPORTING FRAME OF SUCH DOOR LEAF

Title (de)
VORRICHTUNG ZUM ANSCHLIESSEN EINES ELEKTRISCHEN GERÄTES, INSTALLIERT AUF EINEN BEWEGLICHEN TÜRBLATT, AN EINER SCHALTUNG IM STÜTZRAHMEN EINES SOLCHEN TÜRBLATTS

Title (fr)
DISPOSITIF DE RACCORDEMENT D'UN APPAREIL ÉLECTRIQUE, INSTALLÉ SUR UN VANTAIL DE PORTE MOBILE, À UN CIRCUIT DANS LE CADRE DE SUPPORT DE CE VANTAIL DE PORTE

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Application
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Priority
IT 2016000089 W 20160408

Abstract (en)
[origin: WO2017175250A1] A device (1) for connecting an electrical apparatus, installed on a moveable door leaf, to a circuit (3) in the supporting frame of such door leaf, which comprises a first (4) and a second electrical contact element (5) which are mutually facing and proximate in the closed configuration of the door leaf; the first electrical contact element (4) is installed on the door leaf and is connected to the electrical apparatus and the second electrical contact element (5) is installed on the frame. The first electrical contact element (4) comprises a guide assembly (6) for a moveable block (7) which is provided with respective protrusions (8) made of electrically conducting material which are connected to the apparatus. The second electrical contact element (5) comprises a main body (9) and specific electrical contact surfaces (10) which are connected to the circuit (3); at least one portion of the block (7) and of the main body (9) is made of a material chosen between either ferromagnetic or magnetic; in the closed configuration of the door leaf the body (9) and the block (7) are subjected to mutual magnetic attraction with consequent translation of the block (7) toward the second electrical contact element (5) with consequent abutment of the protrusions (8) on the contact surfaces (10) and connection of the electrical apparatus to the circuit (3) of the frame.

IPC 8 full level
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CPC (source: EP RU)
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