

Title (en)

ELECTROMAGNETIC CLOSING AND OPENING DEVICE FOR DOOR LEAVES THAT CAN BE PIVOTED

Title (de)

ELEKTROMAGNETISCHE SCHLIESS- UND ÖFFNUNGSEINRICHTUNG FÜR SCHWENKBARE TÜRFLÜGEL

Title (fr)

DISPOSITIF ELECTROMAGNETIQUE D'OUVERTURE ET DE FERMETURE POUR BATTANTS DE PORTE PIVOTANTS

Publication

EP 1242708 B1 20080102 (DE)

Application

EP 00991250 A 20001221

Priority

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Abstract (en)

[origin: WO0146545A2] The aim of the invention is to provide an electromagnetic device for door leaves that can be pivoted, whereby a door closing and stopping device and a door opening device form a constructional unit and a door leaf that can be pivoted and is closed when resting on a door sealing can be securely closed. According to the invention, a positive fit is produced between the door leaf (8) that can be pivoted and the frame (1) of the door and between pole flanges (2; 3) of an electromagnetic device and a U-shaped antipole component (11) that is provided with a connecting piece (13) which consists of non-magnetic material, as soon as the door leaf (8) rests on the door stop (20) in the closing position. The connecting piece (13) which slightly rises above the antipole component (11) engages in a gap between the pole flanges (1; 2) in the closing position. The pole surfaces (18) of the pole flanges (1; 2) and the antipole surfaces (17) of the antipole component (11) and the front face (21) of the connecting piece (13) are provided with an angle of incidence (22). The inventive device is not provided with mechanically moved components and is thus not subject to damaging effects caused by the use of external force.

IPC 8 full level

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