

Title (en)

DEVICE FOR OPENING AND CLOSING A SLIDING DOOR, IN PARTICULAR FOR VEHICLES

Title (de)

VORRICHTUNG ZUM ÖFFNEN UND VERSCHLIESSEN EINER SCHIEBETÜR, INSBESONDERE FÜR FAHRZEUGE

Title (fr)

DISPOSITIF POUR L'OUVERTURE ET LA FERMETURE D'UNE PORTE COULISSANTE, EN PARTICULIER POUR VEHICULES

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Application

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Abstract (en)

[origin: US6216393B1] The invention relates to a device provided with a driving unit (1) which performs the shift and has a linear drive (8,12) provided with an electric motor (5), and a guide device (9,11). The driven member, formed to be linear, of the linear drive (12) and a member of the guide device (9) are fastened on one hand to the door (3), and the driving member of the linear drive (5,7,8) and the other member of the guide device (11) are fastened on the other hand to a mounting (6) which is supported by way of a support arrangement (22, 23, 24, 25, 26) connected to the wall(4). Said support arrangement converts a movement of the mounting substantially perpendicular to the wall into a swinging movement. A locking unit driven by an electric motor is also provided which locks and unlocks the sliding door by performing a movement perpendicular to the wall when it is positioned to close the opening. Control means which has position switches controls the driving and locking unit.

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