

Title (en)

Sliding door mounted on rollers with a magnetic drive system

Title (de)

Rollengelagerte Schiebetür mit einem magnetischen Antriebssystem

Title (fr)

Porte coulissante montée sur rouleaux et avec un système d'entraînement magnétique

Publication

**EP 1681425 A2 20060719 (DE)**

Application

**EP 05027510 A 20051215**

Priority

DE 102005002036 A 20050114

Abstract (en)

The sliding door with a magnetic drive system for at least one door wing (5) has a magnetic row (1), the magnetisation of which in their longitudinal direction in defined time intervals changes the polarity sign. The door wing can be fastened on a support slide (4) to which is connected a roller arrangement which fulfils a support function in a support direction (z). The roller arrangement through a longitudinal profile of at least one of its individual rollers in interaction with at least one running track on a support profile (6) prevents a drift of the roller arrangement in a transverse direction (y) which extends perpendicularly to the drive direction (x) and to the support direction (z).

IPC 8 full level

**E05F 15/18** (2006.01); **E05F 15/60** (2015.01)

CPC (source: EP)

**E05D 15/0626** (2013.01); **E05D 15/0652** (2013.01); **E05F 15/60** (2015.01); **E05D 2015/0695** (2013.01); **E05Y 2800/422** (2013.01); **E05Y 2900/132** (2013.01)

Citation (applicant)

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- WO 0050719 A1 20000831 - DORMA GMBH & CO KG [DE], et al
- DE 19618518 C1 19980305 - SCHUSTER HEINZ PETER [DE]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1681425 A2 20060719**; DE 102005002036 A1 20060907

DOCDB simple family (application)

**EP 05027510 A 20051215**; DE 102005002036 A 20050114