

Title (en)

Sliding door with a magnetic drive system and an emergency escape functionality

Title (de)

Schiebetür mit einem magnetischen Antriebssystem und einer Fluchtwegfunktionalität

Title (fr)

Porte coulissante avec système d'entraînement magnétique et fonctionnalité de voie d'évacuation

Publication

EP 1688576 B1 20151014 (DE)

Application

EP 05022484 A 20051014

Priority

- DE 102005002048 A 20050114
- DE 102005002039 A 20050114
- DE 102005002051 A 20050114

Abstract (en)

[origin: EP1688576A2] The sliding door (5) with a magnetic drive system has a row of magnets (1) at the carrier profile (6), with a magnetism with a changed plus sign at set intervals along its length. A carrier slide (4) is fitted to the door, to work with the row of magnets, with a number of separate coils (2) and coil cores (3) for individual control by interaction with the magnets. The coils have at least two phase windings, in parallel. The system has a power store, linked to an emergency control, to open the door on a power failure or a breakdown at the main control.

IPC 8 full level

E05F 15/60 (2015.01); **E05F 15/40** (2015.01); **E05D 15/06** (2006.01)

CPC (source: EP)

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