

Title (en)

Coupling device for landing doors of an elevator

Title (de)

Vorrichtung zur Mitnahme von Schachttüren bei Aufzügen

Title (fr)

Dispositif d'entraînement pour portes palier d'ascenseur

Publication

**EP 0829447 B1 20031210 (DE)**

Application

**EP 97115088 A 19970901**

Priority

- EP 97115088 A 19970901
- EP 96810615 A 19960917

Abstract (en)

[origin: EP0829447A1] The lift and shaft doors are coupled together by a magnetic catch comprising an electro-magnet on the lift door and a magnetic anchor (9) on the shaft door. The electro-magnet is mounted on support levers (21) which are operated by a servo drive (27), e.g. an electric motor, to move the electro-magnet between a retracted position and an operating position. This prevents fouling the floor treads at each level. The mating surfaces of the electro-magnetic and the anchor are grooved vertically to provide an improved grip when dragging the shaft door open or closed. The servo drive and lever mounting are adjusted to provide a set air gap between the electro-magnetic and the anchor prior to activating the electro-magnet.

IPC 1-7

**B66B 13/12**

IPC 8 full level

**B66B 13/12** (2006.01)

CPC (source: EP)

**B66B 13/12** (2013.01)

Cited by

CN107074501A; US2021276829A1; US11572254B2; GB2461452A; GB2461452B; WO2016030296A1; US10392229B2; US11192755B2; US8678141B2; TWI673227B; WO2008118163A1

Designated contracting state (EPC)

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