

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)

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Cited by

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

Designated contracting state (EPC)

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