

Title (en)  
DOOR DEVICE FOR ELEVATOR

Title (de)  
TÜRVORRICHTUNG FÜR AUFZUG

Title (fr)  
DISPOSITIF DE PORTE POUR ASCENSEUR

Publication  
**EP 1939126 A4 20120926 (EN)**

Application  
**EP 05795845 A 20051020**

Priority  
JP 2005019303 W 20051020

Abstract (en)  
[origin: EP1939126A1] A door device for an elevator includes: an elevator door having first and second doors; first and second door driving devices having first and second rotary shafts, respectively; a first power transmission mechanism for moving the first door in response to rotation of the first rotary shaft; a second power transmission mechanism for moving the second door in response to rotation of the second rotary shaft; a position detector for generating a signal corresponding to the rotation of the first rotary shaft; and a door control device for controlling the second door driving device based on information from the position detector such that the rotation of the second rotary shaft follows the rotation of the first rotary shaft. With this structure, movement speeds of the first and second doors are synchronized according to information from the single position detector.

IPC 8 full level  
**B66B 13/14** (2006.01); **B66B 3/00** (2006.01); **B66B 13/08** (2006.01)

CPC (source: EP KR)  
**B66B 3/00** (2013.01 - KR); **B66B 13/08** (2013.01 - EP KR); **B66B 13/14** (2013.01 - EP KR)

Citation (search report)

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- [Y] US 2004055829 A1 20040325 - MORRIS NIGEL BRUCE [US], et al
- [Y] JP S56103084 A 19810817 - MITSUBISHI ELECTRIC CORP
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- See references of WO 2007046149A1

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US10472211B2

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1939126 A1 20080702; EP 1939126 A4 20120926**; CN 101146734 A 20080319; CN 101146734 B 20110810; JP 5042628 B2 20121003; JP WO2007046149 A1 20090423; KR 100960434 B1 20100528; KR 20070106766 A 20071105; WO 2007046149 A1 20070426

DOCDB simple family (application)  
**EP 05795845 A 20051020**; CN 200580049323 A 20051020; JP 2005019303 W 20051020; JP 2006538576 A 20051020; KR 20077020668 A 20051020