

Title (en)
DOOR ENGAGEMENT DEVICE FOR ELEVATOR

Title (de)
TÜREINGRIFFSVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF D'ENGAGEMENT DE PORTE POUR ASCENSEUR

Publication
EP 2168902 A1 20100331 (EN)

Application
EP 07790918 A 20070718

Priority
JP 2007064163 W 20070718

Abstract (en)
In a door engaging device for an elevator, first and second engagement members are provided to a car door through an intermediation of a plurality of interlocking link mechanisms. The interlocking link mechanisms displace the first and second engagement members in an interlocked manner to change a distance between the first and second engagement members. A power transmission body is moved in a direction in which the car door opens and closes by a drive motor for opening and closing the car door. A transmission body connecting portion connected to the power transmission body is provided on the first engagement member. The interlocking link mechanisms displace the first engagement member in parallel to the direction in which the car door opens and closes by movement of the power transmission body.

IPC 8 full level
B66B 13/12 (2006.01)

CPC (source: EP KR)
B66B 13/12 (2013.01 - EP KR); **B66B 13/16** (2013.01 - KR)

Cited by
US11247872B2; EP4201864A1; EP2583930A1; FR2981384A1; US2012305336A1; US9132992B2; US11254542B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2168902 A1 20100331; **EP 2168902 A4 20131113**; CN 101679005 A 20100324; CN 101679005 B 20120222; JP 5072966 B2 20121114; JP WO2009011044 A1 20100909; KR 101165505 B1 20120713; KR 20100005118 A 20100113; WO 2009011044 A1 20090122

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EP 07790918 A 20070718; CN 200780052984 A 20070718; JP 2007064163 W 20070718; JP 2009523482 A 20070718; KR 20097023457 A 20070718