

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASCENSEUR

Publication
EP 2610205 A4 20170823 (EN)

Application
EP 10856400 A 20100824

Priority
JP 2010064252 W 20100824

Abstract (en)
[origin: EP2610205A1] Provided is an elevator device capable of improving safety by ensuring consistency between determination of landing and determination of lock release for doors and, in addition, capable of facilitating space-saving. An elevator device (1) includes: a car (5) to be raised and lowered in a hoistway (3); a lock control mechanism (7) for doors; and a car-landing detection mechanism (9). The elevator device further includes a plurality of bodies (87) to be detected, which are respectively fixed to the hoistway and provided on corresponding floors. The plurality of bodies to be detected constitute both the lock control mechanism for doors and the car-landing detection mechanism. The lock control mechanism for doors includes a movable body (61) provided to be raised and lowered together with the car and moved due to presence of the plurality of bodies to be detected so as to perform switching between a locked state and an unlocked state of the doors. The car-landing detection mechanism includes at least one sensor (89) provided to be raised and lowered together with the car, for detecting the presence of the plurality of bodies to be detected.

IPC 8 full level
B66B 13/18 (2006.01); **B66B 1/36** (2006.01); **B66B 3/02** (2006.01); **B66B 13/12** (2006.01)

CPC (source: EP KR)
B66B 1/36 (2013.01 - EP); **B66B 3/02** (2013.01 - KR); **B66B 13/12** (2013.01 - EP); **B66B 13/18** (2013.01 - EP KR)

Citation (search report)

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- [YA] DE 862823 C 19530112 - WESTINGHOUSE ELECTRIC CORP
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 10856400 A 20100824; CN 201080068731 A 20100824; JP 2010064252 W 20100824; JP 2012530460 A 20100824; KR 20137004378 A 20100824