

Title (en)
DOOR MECHANISM FOR ELEVATOR

Title (de)
TÜRENMECHANISMUS FÜR AUFZÜGE

Title (fr)
MÉCANISME DE PORTE POUR ASCENSEUR

Publication
EP 2298685 A4 20150121 (EN)

Application
EP 09773637 A 20090515

Priority
• KR 2009002591 W 20090515
• KR 20080064728 A 20080704

Abstract (en)
[origin: EP2298685A2] An elevator door device is provided, which includes a hanger case installed on an upper part of an elevator doorway and having a hanger rail for guiding left and right movement of an elevator door; a hanger plate having one end portion to which a roller rotating on the hanger rail is rotatably connected and the other end portion with which the elevator door is engaged; and a pulley bracket to which a driving pulley that transfers a driving force so that the hanger plate can move left and right in a width direction of the elevator doorway is rotatably connected and which is engaged with the hanger case by a first fastening means; wherein the pulley bracket is engaged with the hanger rail so that the pulley bracket is opposite to a direction that is parallel to a rotating shaft direction of the roller by a second fastening means. Accordingly, the hanger case is prevented from being bent, and the elevator door is prevented from being separated from the hanger rail,

IPC 8 full level
B66B 13/08 (2006.01)

CPC (source: EP KR)
B66B 13/08 (2013.01 - EP); **B66B 13/24** (2013.01 - KR)

Citation (search report)
• [X] US 5797471 A 19980825 - PRINCELL JOHN [US]
• [A] JP H03166189 A 19910718 - MITSUBISHI ELECTRIC CORP
• [A] US 1966182 A 19340710 - MCCORMICK HAROLD V
• [A] US 4050191 A 19770927 - AZUMA AKIRA
• See references of WO 2010002101A2

Cited by
EP2687475A1; WO2014012932A1

Designated contracting state (EPC)
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 TR

DOCDB simple family (publication)
EP 2298685 A2 20110323; EP 2298685 A4 20150121; CN 102083732 A 20110601; CN 102083732 B 20130626; JP 2011525466 A 20110922; JP 5215463 B2 20130619; KR 101148152 B1 20120523; KR 20100004517 A 20100113; WO 2010002101 A2 20100107; WO 2010002101 A3 20100311

DOCDB simple family (application)
EP 09773637 A 20090515; CN 200980125711 A 20090515; JP 2011516108 A 20090515; KR 20080064728 A 20080704; KR 2009002591 W 20090515