

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASCENSEUR

Publication
EP 2213606 A4 20140514 (EN)

Application
EP 08710980 A 20080208

Priority
JP 2008052101 W 20080208

Abstract (en)
[origin: EP2213606A1] In an elevator apparatus, a car is suspended by a main rope on a first side of a sheave, and a counterweight is suspended by the main rope on a second side of the sheave. A rotation detector generates a signal that corresponds to rotation of the sheave. A slippage testing portion operates the car through a round trip for a predetermined distance, and tests for slippage between the sheave and the main rope based on a difference between a signal from the rotation detector during ascent and a signal from the rotation detector during descent.

IPC 8 full level
B66B 1/34 (2006.01); **B66B 5/00** (2006.01); **B66B 5/02** (2006.01); **B66B 7/12** (2006.01)

CPC (source: EP)
B66B 1/3492 (2013.01); **B66B 5/0037** (2013.01)

Citation (search report)

- [X] JP 2007153547 A 20070621 - HITACHI BUILDING SYS CO LTD
- [A] JP H038681 A 19910116 - MITSUBISHI ELECTRIC CORP
- [A] US 5578801 A 19961126 - HOFMANN HANSPETER [DE]
- See references of WO 2009098772A1

Cited by
CN109153537A; US10486935B2; DE112015006188B4; DE112016006890B4; US11492231B2

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2213606 A1 20100804; **EP 2213606 A4 20140514**; **EP 2213606 B1 20180425**; CN 101896415 A 20101124; JP 5334868 B2 20131106; JP WO2009098772 A1 20110526; KR 101345885 B1 20131230; KR 20100051109 A 20100514; WO 2009098772 A1 20090813

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EP 08710980 A 20080208; CN 200880112721 A 20080208; JP 2008052101 W 20080208; JP 2009552360 A 20080208; KR 20107006436 A 20080208