

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF ÉLÉVATEUR

Publication
EP 2186768 A4 20140101 (EN)

Application
EP 07850880 A 20071219

Priority
JP 2007074410 W 20071219

Abstract (en)
[origin: EP2186768A1] In an elevator apparatus, a safety gear makes a car perform an emergency stop in response to an activating signal. A slippage monitoring apparatus computes a slippage extent value that is a value that relates to extent of slippage of a suspending body relative to a driving sheave based on the signals from first and second speed detectors. The slippage monitoring apparatus stops the car at a predetermined floor using a hoisting machine if the slippage extent value exceeds a first threshold value, and activates the safety gear using the activating signal if the slippage extent value exceeds a second threshold value.

IPC 8 full level
B66B 5/06 (2006.01); **B66B 5/12** (2006.01)

CPC (source: EP)
B66B 5/0037 (2013.01); **B66B 5/06** (2013.01); **B66B 5/125** (2013.01)

Citation (search report)

- [A] EP 1749780 A1 20070207 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP H038681 A 19910116 - MITSUBISHI ELECTRIC CORP
- [A] JP 2000118903 A 20000425 - HITACHI LTD
- [A] JP H0940333 A 19970210 - MEIDENSHA ELECTRIC MFG CO LTD
- See references of WO 2009078100A1

Cited by
CN104555643A; US9868615B2

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

DOCDB simple family (publication)
EP 2186768 A1 20100519; EP 2186768 A4 20140101; EP 2186768 B1 20160420; CN 101827771 A 20100908; CN 101827771 B 20130417; JP 5164995 B2 20130321; JP WO2009078100 A1 20110428; KR 101114062 B1 20120222; KR 20100061696 A 20100608; WO 2009078100 A1 20090625

DOCDB simple family (application)
EP 07850880 A 20071219; CN 200780101121 A 20071219; JP 2007074410 W 20071219; JP 2009546114 A 20071219; KR 20107006434 A 20071219