

Title (en)
ELEVATOR LOAD WEIGHING DEVICE

Title (de)
AUZUGSLASTWÄGEVORRICHTUNG

Title (fr)
DISPOSITIF DE PESAGE POUR ASCENSEUR

Publication
EP 1612176 A4 20090805 (EN)

Application
EP 03816287 A 20030407

Priority
JP 0304404 W 20030407

Abstract (en)
[origin: WO2004089802A1] A weighing device of an elevator, wherein a rotation support stand supporting the total of tensions acting on the end parts of main ropes and rotated according to the magnitude of the total of the tensions is rotatably installed on a main rope support part, an elastic member extended and retracted according to the total of the tensions is installed between the rotation support stand and the main rope support part, and a detector outputs signals according to the rotating position of the rotation support stand.

IPC 8 full level
B66B 5/14 (2006.01); **B66B 1/34** (2006.01); **B66B 7/08** (2006.01)

CPC (source: EP)
B66B 1/3484 (2013.01)

Citation (search report)

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- [X] JP H06255933 A 19940913 - OTIS ELEVATOR CO
- [X] JP H0597351 A 19930420 - MITSUBISHI ELECTRIC CORP
- [A] US 5306879 A 19940426 - PEARSON DAVID B [US]
- [A] GB 2267078 A 19931124 - MITSUBISHI ELECTRIC CORP [JP]
- See references of WO 2004089802A1

Cited by
EP4175905A4; CN103754717A; CN103274270A; WO2022003233A1

Designated contracting state (EPC)
DE NL

DOCDB simple family (publication)
WO 2004089802 A1 20041021; CN 1665737 A 20050907; EP 1612176 A1 20060104; EP 1612176 A4 20090805;
JP WO2004089802 A1 20060706

DOCDB simple family (application)
JP 0304404 W 20030407; CN 03807942 A 20030407; EP 03816287 A 20030407; JP 2004553526 A 20030407