

Title (en)
ELEVATOR LOAD WEIGHING DEVICE

Title (de)
AUZUGSLASTWÄGEVORRICHTUNG

Title (fr)
DISPOSITIF DE PESAGE POUR ASCENSEUR

Publication
EP 1612176 A1 20060104 (EN)

Application
EP 03816287 A 20030407

Priority
JP 0304404 W 20030407

Abstract (en)
In an elevator load weighing device, a pivoting supporting platform supporting a sum total of tensile forces acting on end portions of main ropes and being pivoted so as to correspond to a magnitude of the sum total of the tensile forces is pivotably disposed on a main rope bearing portion. An elastic member expanding and contracting so as to correspond to the sum total of the tensile forces is disposed between the pivoting supporting platform and the main rope bearing portion. A detector outputs a signal corresponding to a pivoting position of the pivoting supporting platform.

IPC 1-7
B66B 5/14; **B66B 7/08**

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

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

Cited by
CN103274270A; CN103754717A; EP4175905A4; 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;
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JP 0304404 W 20030407; CN 03807942 A 20030407; EP 03816287 A 20030407; JP 2004553526 A 20030407