

Title (en)
ELEVATOR LOAD WEIGHING DEVICE

Title (de)
AUFZUGLASTWIEGEVORRICHTUNG

Title (fr)
DISPOSITIF DE MESURE DE LA CHARGE D'UN ASCENSEUR

Publication
EP 1478591 A4 20080903 (EN)

Application
EP 02706477 A 20020228

Priority
US 0206216 W 20020228

Abstract (en)
[origin: WO03074406A1] An improved measuring device for measuring the load of an elevator including a car suspended by a tension member within a hoistway, a termination (36) at one end of the tension member (28), a mounting plate (42) for attaching the termination relative the hoistway, and a hitch (38) for attaching the termination to the mounting plate further including load cell (56) positioned between the hitch and the mounting plate wherein the load cell generates a signal proportional to the load of the car.

IPC 8 full level
B66B 1/34 (2006.01); **B66B 1/44** (2006.01); **B66B 5/14** (2006.01); **B66B 7/08** (2006.01)

CPC (source: EP KR)
B66B 1/3484 (2013.01 - EP); **B66B 5/14** (2013.01 - KR); **B66B 7/08** (2013.01 - KR)

Citation (search report)

- [XY] JP H0398975 A 19910424 - MITSUBISHI ELECTRIC CORP
- [XAY] JP H06255933 A 19940913 - OTIS ELEVATOR CO
- [XA] US 6315084 B1 20011113 - SHON HYE YEON [KR]
- [XY] EP 0545572 A1 19930609 - OTIS ELEVATOR CO [US]
- [XA] US 4793442 A 19881227 - HECKLER MARK K [CH], et al
- [Y] WO 0200541 A1 20020103 - OTIS ELEVATOR CO [US]
- [Y] EP 0849207 A1 19980624 - KONE OY [FI]
- [A] JP H028176 A 19900111 - MITSUBISHI ELECTRIC CORP
- See references of WO 03074406A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 03074406 A1 20030912; AU 2002240562 A1 20030916; CN 100366519 C 20080206; CN 1622914 A 20050601; DE 60234718 D1 20100121; EP 1478591 A1 20041124; EP 1478591 A4 20080903; EP 1478591 B1 20091209; ES 2337659 T3 20100428; HK 1076790 A1 20060127; JP 2005519009 A 20050630; JP 4102760 B2 20080618; KR 100872220 B1 20081205; KR 20040084907 A 20041006

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