

Title (en)
Device for controlling the ropes of elevators

Title (de)
Einrichtung zur Überwachung von Seilen eines Aufzuges

Title (fr)
Dispositif pour la surveillance des câble d'ascenseur

Publication
EP 1457453 B1 20060607 (DE)

Application
EP 04000486 A 20040113

Priority
• EP 04000486 A 20040113
• EP 03405041 A 20030129

Abstract (en)
[origin: US2004149048A1] A cable slackness monitoring device has a pull cord to detect movement of support pins associated with the cables. In the case of a slack cable the support pin moves downwardly relative to a carrier frame. Fixedly clamped between a nut and a locknut is a trigger element which engages the pull cord in the case of movement of the support pin. The pull cord is fixed at one end to a fixing point of a bracket, and is, and is connected at the other end to a displaceable slide. The deflection of the taut pull cord caused by the movement of the support pin moves the slide, actuating a limit value detection.

IPC 8 full level
B66B 5/12 (2006.01); **B66B 7/10** (2006.01)

CPC (source: EP US)
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Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2004149048 A1 20040805; US 6962089 B2 20051108; AT E328840 T1 20060615; CA 2456061 A1 20040729; CA 2456061 C 20110628; CN 1317178 C 20070523; CN 1519188 A 20040811; DE 502004000674 D1 20060720; EP 1457453 A1 20040915; EP 1457453 B1 20060607; ES 2264043 T3 20061216; HK 1069374 A1 20050520; MY 134830 A 20071231; PT 1457453 E 20061031; SG 135015 A1 20070928

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US 76161004 A 20040121; AT 04000486 T 20040113; CA 2456061 A 20040127; CN 200410001444 A 20040108; DE 502004000674 T 20040113; EP 04000486 A 20040113; ES 04000486 T 20040113; HK 05101973 A 20050308; MY PI20040066 A 20040110; PT 04000486 T 20040113; SG 2004000378 A 20040106