Title (en)

MONITORING A SUPPORTING AND TRACTION MEANS OF AN ELEVATOR SYSTEM

Title (de)

ÜBERWACHUNG EINES TRAG- UND TREIBMITTELS EINER AUFZUGSANLAGE

Title (fr)

SURVEILLANCE D'UN MOYEN DE SUPPORT ET D'ENTRAÎNEMENT D'UN SYSTÈME D'ASCENSEUR

Publication

EP 2516313 B1 20150408 (DE)

Application

EP 10787794 A 20101210

Priority

- EP 09180234 A 20091221
- EP 2010069409 W 20101210
- EP 10787794 A 20101210

Abstract (en)

[origin: US2011148442A1] A monitoring device for a suspension-and-traction apparatus of an elevator system that includes at least one electrically conductive cord contains a measurement apparatus for determining a resulting resistance. The measurement apparatus is connected to the cord with contacting elements contacting opposite ends of cord. Damage to the suspension-and-traction apparatus is detected by a contact point that can register protruding conductive parts of the cord and, in another embodiment, the contacting elements each contain a plurality of mutually differing resistance elements such that each of at least two electrically conductive cords of the suspension-and-traction apparatus is connected to the monitoring device through two of the resistance elements.

IPC 8 full level

B66B 7/12 (2006.01); **G01N 27/00** (2006.01)

CPC (source: EP US)

B66B 7/1223 (2013.01 - EP US)

Citation (opposition)

Opponent : OTIS Elevator Company

- WO 2005094248 A2 20051013 - OTIS ELEVATOR CO [US], et al
- JP 2002348068 A 20021204 - HITACHI LTD
- EP 1275608 A1 20030115 - INVENTIO AG [CH]
- US 2002194935 A1 20021226 - CLARKE ARTHUR [GB], et al
- WO 2005094249 A2 20051013 - OTIS ELEVATOR CO [US], et al
- WO 2005095250 A1 20051013 - OTIS ELEVATOR CO [US], et al
- EP 1357073 A1 20031029 - MITSUBISHI ELECTRIC CORP [JP]
- US 2002104715 A1 20020808 - ZAHARIA VLAD [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 97326410 A 20101220; AU 2010342458 A 20101210; BR 112012017169 A 20101210; CA 2778870 A 20101210; CN 201080052780 A 20101210; CO 12121931 A 20120719; EP 10787794 A 20101210; EP 15156332 A 20101210; EP 2010069409 W 20101210; ES 10787794 T 20101210