Title (en)

Apparatus and method for detecting whether an elevator car has become jammed along its travel path

Title (de)

Vorrichtung und Verfahren zur Detektion, ob ein Aufzugskorb auf seinem Fahrweg eingeklemmt wurde

Title (fr)

Appareil et procédé pour détecter le blocage d'une cabine d'ascenseur le long de son parcours

Publication

EP 2292546 A1 20110309 (EN)

Application

EP 09169536 A 20090904

Priority

EP 09169536 A 20090904

Abstract (en)

An elevator installation having a car (20), a counterweight (6), traction means (8) interconnecting and supporting the car (20) and counterweight (8), a drive unit (12) to drive the traction means (8) and a controller (18) to control and regulate the movement of the drive unit (12) and thereby the movement of the car (20) further includes a load measurement sensor (32) mounted to the car (20) to output a signal (F) representative of the load of the elevator car (20). A processing unit (34) having an input to receive the load measurement sensor signal (F) transmits a first signal (J) from its output indicating that the elevator car (20) has jammed if the load measurement sensor signal (F) deviates outside a predetermined range (F1-F2).

IPC 8 full level

B66B 5/02 (2006.01)

CPC (source: EP)

B66B 5/0037 (2013.01); **B66B 5/02** (2013.01); B66B 19/007 (2013.01)

Citation (applicant)

- US 2008085232 A1 20080410 - JANG HEE-DONG [KR], et al
- US 2007170009 A1 20070726 - KUGIYA TAKUO [JP], et al

Citation (search report)

- [X] JP H0958941 A 19970304 - HITACHI LTD, et al
- [X] EP 2011759 A1 20090107 - INVENTIO AG [CH]
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- [X] SU 528248 A1 19760915
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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2292546 A1 20110309

DOCDB simple family (application)

EP 09169536 A 20090904