

Title (en)

Elevator supervision

Title (de)

Überwachungssystem für einen Aufzug

Title (fr)

Système de monitoring pour ascenseur

Publication

EP 1602610 A1 20051207 (EN)

Application

EP 05104494 A 20050525

Priority

- EP 04405334 A 20040602
- EP 05104494 A 20050525

Abstract (en)

The invention provides a method and system for supervising the safety of an elevator having a car (2) driven by driving means (12) within a hoistway (4) wherein a travel parameter (XABS,X"Acc,X'IGB) of the car (2) is sensed and continually compared with a similarly sensed travel parameter (X'IG) of the driving means. If the comparison shows a large deviation between the two parameters, an emergency stop is initiated. Otherwise one of the travel parameters (XABS,X"Acc X'IGB; X'IG) is output as a verified signal (X;X'). The verified signal is then compared with predetermined permitted values. If it lies outside the permitted range then an emergency stop is initiated. <IMAGE>

IPC 1-7

B66B 1/28; **B66B 5/02**

IPC 8 full level

B66B 1/28 (2006.01); **B66B 5/02** (2006.01); **B66B 5/06** (2006.01)

CPC (source: EP)

B66B 5/0031 (2013.01); **B66B 5/02** (2013.01)

Citation (search report)

- [A] EP 0477976 A2 19920401 - OTIS ELEVATOR CO [US]
- [A] DE 10150284 A1 20030430 - HENNING GMBH [DE]
- [A] US 6170614 B1 20010109 - HERKEL PETER [US], et al

Cited by

WO2017168035A1; AU2018204749B2; CN112041254A; EP2594519A1; EP3672897A4; EP2121500A4; EP3365260A4; EP3421400A1; WO2012080102A1; WO2012080104A1; US11505427B2; WO2009013114A1; WO2013072184A1; WO2017068232A1; WO2016062686A1; US9975732B2; US11548758B2; DE112007003542B4; EP3436385A4; EP3915921A1; CN113716423A; US10745243B2; US11414297B2; WO2008102051A1; US8261886B2; US8297413B2; US8336677B2; US9926170B2; US11352235B2; WO2012080106A2; EP2998260A1; WO2020056701A1; EP2807103B1; EP3209589B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1602610 A1 20051207; **EP 1602610 B1 20100414**; DK 2189410 T3 20140310; EP 2189410 A1 20100526; EP 2189410 B1 20131225; PL 2189410 T3 20140530

DOCDB simple family (application)

EP 05104494 A 20050525; DK 09177340 T 20050525; EP 09177340 A 20050525; PL 09177340 T 20050525