

Title (en)
ABNORMAL-STATE BRAKING SYSTEM OF ELEVATOR

Title (de)
ANOMALZUSTANDSBREMSSYSTEM FÜR AUFZUG

Title (fr)
SYSTÈME DE FREINAGE EN CAS DE PROBLÈMES D'ASCENSEUR

Publication
EP 1780160 A4 20100106 (EN)

Application
EP 04730711 A 20040430

Priority
JP 2004006325 W 20040430

Abstract (en)
[origin: EP1780160A1] A control device stores, in correspondence with the position of a car, an overspeed setting level that is set to become smaller in the vicinity of a terminal end portion of a hoistway toward the terminal end portion. When the detected speed of the car exceeds the overspeed setting level at the position of the car as detected by an encoder, an activation signal is outputted from the control device. Emergency braking is applied on the car as a brake device or a safety device is activated upon the input of the activation signal. The control device is electrically connected with a display that displays the position of the car obtained based on information from the encoder, and the value of the overspeed setting level at that position of the car.

IPC 8 full level
B66B 5/06 (2006.01); **B66B 3/00** (2006.01); **B66B 5/22** (2006.01); **B66B 15/00** (2006.01)

CPC (source: EP)
B66B 5/048 (2013.01); **B66B 5/06** (2013.01); **B66B 5/22** (2013.01)

Citation (search report)
• [XA] US 2004079591 A1 20040429 - MUELLER WOLFGANG T [DE]
• See references of WO 2005105649A1

Cited by
CN102701042A; ES2363311A1; ES2368396A1; US9604819B2; US8939262B2; US9800101B2; WO2013050660A1; WO2019092116A1; EP1819622B1

Designated contracting state (EPC)
DE FR NL

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EP 1780160 A1 20070502; EP 1780160 A4 20100106; EP 1780160 B1 20111228; CN 100443392 C 20081217; CN 1802306 A 20060712; EP 2258650 A2 20101208; EP 2258650 A3 20101222; EP 2258650 B1 20120822; JP 4566994 B2 20101020; JP WO2005105649 A1 20071213; WO 2005105649 A1 20051110

DOCDB simple family (application)
EP 04730711 A 20040430; CN 200480015618 A 20040430; EP 10177854 A 20040430; JP 2004006325 W 20040430; JP 2006519142 A 20040430