

Title (en)  
ELEVATOR APPARATUS

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
APPAREIL ASCENSEUR

Publication  
**EP 2107029 A1 20091007 (EN)**

Application  
**EP 07707216 A 20070123**

Priority  
JP 2007050953 W 20070123

Abstract (en)  
In an elevator apparatus, a safety monitoring section detects an abnormal state relating to an operation based on signals from a plurality of sensors for detecting states of a plurality of elevator equipments. Upon detection of the abnormal state, the safety monitoring section causes a plurality of types of braking devices to selectively perform a braking operation according to the type of abnormal state to reduce the speed of the car to stop the car.

IPC 8 full level  
**B66B 1/32** (2006.01); **B66B 5/02** (2006.01); **B66B 5/04** (2006.01); **B66B 5/18** (2006.01)

CPC (source: EP KR)  
**B66B 1/32** (2013.01 - EP KR); **B66B 5/02** (2013.01 - EP KR); **B66B 5/027** (2013.01 - EP); **B66B 5/044** (2013.01 - EP); **B66B 5/18** (2013.01 - EP)

Cited by  
CN104340801A; EP3693310A1; EP4219368A1; US11866295B2; US9988240B2; US9975733B2; US10214381B2; US10745239B2; US11897725B2; WO2016020204A1; WO2016122920A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2107029 A1 20091007; EP 2107029 A4 20130731**; CN 101588979 A 20091125; JP 5191907 B2 20130508; JP WO2008090601 A1 20100513; KR 101181205 B1 20120918; KR 20090094847 A 20090908; WO 2008090601 A1 20080731

DOCDB simple family (application)  
**EP 07707216 A 20070123**; CN 200780050353 A 20070123; JP 2007050953 W 20070123; JP 2008554925 A 20070123; KR 20097015084 A 20070123