

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREIL ASCENSEUR

Publication
EP 2107029 A4 20130731 (EN)

Application
EP 07707216 A 20070123

Priority
JP 2007050953 W 20070123

Abstract (en)
[origin: EP2107029A1] 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)

Citation (search report)

- [X] WO 0121522 A1 20010329 - KONE CORP [FI], et al
- [XI] EP 1604935 A1 20051214 - MITSUBISHI ELECTRIC CORP [JP] & WO 2004083091 A1 20040930 - MITSUBISHI ELECTRIC CORP [JP], et al
- [A] JP 2006306517 A 20061109 - MITSUBISHI ELECTRIC CORP
- [A] US 2006180406 A1 20060817 - GREMAUD NICOLAS [CH], et al
- [A] EP 0739852 A2 19961030 - WESSEX MEDICAL EQUIPMENT COMPA [GB]
- See references of WO 2008090601A1

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

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DOCDB simple family (application)
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