

Title (en)
MACHINE HOUSE-LESS ELEVATOR

Title (de)
AUFZUG OHNE MASCHINENRAUM

Title (fr)
SYSTEME D'ASCENSEUR SANS MAISON

Publication
EP 1433734 A4 20090701 (EN)

Application
EP 01938696 A 20010615

Priority
JP 0105134 W 20010615

Abstract (en)
[origin: EP1433734A1] A machine-room-less elevator has a car (11) having an opening section (12) formed in its wall, and a hoisting machine (17) having a sheave (15) around which a cable (18) is to be wound and a motor (14) for actuating the sheave (15), in which the car (11) is fixed to one end of the cable (18) and a counterweight (19) is fixed to the other end of the same. When the car (11) is positioned at the top of a hoistway (10), the sheave (15) is located between the car (11) and a wall of the hoistway; and the sheave (15) can be inspected from the inside of the car (11), by way of the opening section (12). <IMAGE>

IPC 1-7
B66B 5/00; **B66B 7/00**

IPC 8 full level
B66B 5/00 (2006.01); **B66B 7/00** (2006.01); **B66B 11/00** (2006.01); **B66B 11/02** (2006.01)

CPC (source: EP KR)
B66B 11/0045 (2013.01 - EP); **B66B 11/0246** (2013.01 - EP); **B66B 11/04** (2013.01 - KR)

Citation (search report)

- [XY] JP 2000233878 A 20000829 - INVENTIO AG [CH]
- [Y] JP H11139730 A 19990525 - TOSHIBA CORP
- [Y] JP 2000072352 A 20000307 - HITACHI LTD
- [Y] JP H10231074 A 19980902 - HITACHI LTD, et al
- [Y] EP 1031528 A1 20000830 - MITSUBISHI ELECTRIC CORP [JP]
- [Y] JP 2000203774 A 20000725 - TOSHIBA CORP
- [Y] JP H07237849 A 19950912 - TOSHIBA ELEVATOR TECH
- See references of WO 02102701A1

Cited by
JP2015027898A; US2010038183A1; US8316998B2; EA014793B1; US8967336B2; US11192754B2; US11104550B2; US10589963B2; US10745240B2; US10589964B2; WO2018011457A1; EP3429953A1; WO2008074167A1; WO2012126619A1

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 1433734 A1 20040630; **EP 1433734 A4 20090701**; **EP 1433734 B1 20111005**; CN 1283542 C 20061108; CN 1423615 A 20030611; JP 4963153 B2 20120627; JP WO2002102701 A1 20040930; KR 100499660 B1 20050705; KR 20030029134 A 20030411; WO 02102701 A1 20021227

DOCDB simple family (application)
EP 01938696 A 20010615; CN 01807060 A 20010615; JP 0105134 W 20010615; JP 2003505254 A 20010615; KR 20037002104 A 20030213