

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASCENSEUR

Publication
EP 2019073 A4 20130130 (EN)

Application
EP 06756372 A 20060519

Priority
JP 2006310016 W 20060519

Abstract (en)
[origin: EP2019073A1] In a hoistway, a car is arranged so as to be movable up. The car is hung by a main rope unit that has first and second main ropes. The first and second main ropes have their individual upper end portions fixedly attached to an upper portion of the hoistway. On the car, there are mounted a pair of car hanging pulleys that horizontally guide the first and second main ropes from their individual upper end portions respectively, a drive unit that has a drive sheave around which the first and second main ropes from the car hanging pulleys are respectively wrapped, and a pair of wrap pulleys that guide the first and second main ropes from the drive sheave in direction downwardly of the car, respectively. The drive sheave is driven to rotate around a rotation shaft that is disposed along a vertical direction.

IPC 8 full level
B66B 11/04 (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP KR)
B66B 11/005 (2013.01 - EP); **B66B 11/007** (2013.01 - EP); **B66B 11/008** (2013.01 - EP); **B66B 11/04** (2013.01 - KR)

Citation (search report)

- [XY] JP 2002068641 A 20020308 - MITSUBISHI ELECTRIC CORP
- [Y] WO 2004067430 A1 20040812 - OTIS ELEVATOR CO [US], et al
- [Y] US 2005217945 A1 20051006 - KIMURA YASUKI [JP], et al
- [A] EP 1028082 A2 20000816 - MITSUBISHI ELECTRIC CORP [JP]
- [A] WO 2006040813 A1 20060420 - MITSUBISHI ELECTRIC CORP [JP], et al & JP 2006513116 A 20060420 & EP 1801061 A1 20070627 - MITSUBISHI ELECTRIC CORP [JP]
- See references of WO 2007135716A1

Cited by
ES2401862R1; WO2014029899A1; US10875743B2; US11434107B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
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