

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREIL ÉLÉVATEUR

Publication
EP 1783088 A4 20120905 (EN)

Application
EP 04772147 A 20040825

Priority
JP 2004012186 W 20040825

Abstract (en)
[origin: EP1783088A1] In an elevator apparatus, a car and a counterweight are suspended by means of suspension ropes in a hoistway. A drive rope is wound around a drive sheave of a drive device. The drive rope is connected to the counterweight. Further, a tensile force is applied to the drive rope by a tensile force generating device. A driving force of the drive device is transmitted to the counterweight through the drive rope so that the counterweight is raised/lowered, thereby raising/lowering the car.

IPC 8 full level
B66B 7/06 (2006.01); **B66B 11/00** (2006.01); **B66B 17/12** (2006.01)

CPC (source: EP)
B66B 11/009 (2013.01); **B66B 17/12** (2013.01)

Citation (search report)

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- [X] JP 2004001912 A 20040108 - OTIS ELEVATOR CO
- [X] JP S53104946 A 19780912 - KUMARIFUTO KK
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- [Y] FR 2609974 A1 19880729 - OTIS ELEVATOR CO [US]
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- See references of WO 2006021996A1

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CN103608280A; EP2723668A4; EP2888191A4; US9758346B2; WO2014068186A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1783088 A1 20070509; EP 1783088 A4 20120905; CN 1960933 A 20070509; JP WO2006021996 A1 20080508; WO 2006021996 A1 20060302

DOCDB simple family (application)
EP 04772147 A 20040825; CN 200480043261 A 20040825; JP 2004012186 W 20040825; JP 2006531160 A 20040825