

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREIL DE LEVAGE

Publication
EP 1396456 A4 20041027 (EN)

Application
EP 01932256 A 20010524

Priority
JP 0104374 W 20010524

Abstract (en)
[origin: EP1396456A1] An elevator device includes a car and a counterweight suspended by a main rope. The drive force of a driving machine is transmitted to the counterweight through a drive rope. Through ascent and descent of the counterweight, the car is caused to ascend and descend. The drive rope is wrapped around a plurality of counterweight sheaves mounted on the counterweight, an upper hoistway sheave arranged in the upper portion of the hoistway, and a lower hoistway sheave arranged in the lower portion of the hoistway. All the counterweight sheaves are arranged coaxially on the upper portion of the counterweight. <IMAGE>

IPC 1-7
B66B 11/08

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

CPC (source: EP)
B66B 11/0055 (2013.01); **B66B 11/009** (2013.01)

Citation (search report)

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- [XA] WO 9711020 A1 19970327 - KONE OY [FI], et al
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CN102229397A; EP2492232A1; EP3401265A3

Designated contracting state (EPC)
AT BE CH CY DE FI FR GB LI NL

DOCDB simple family (publication)
EP 1396456 A1 20040310; EP 1396456 A4 20041027; EP 1396456 B1 20080109; CN 1270957 C 20060823; CN 1440363 A 20030903; DE 60132372 D1 20080221; DE 60132372 T2 20081224; JP WO2002094701 A1 20040909; WO 02094701 A1 20021128

DOCDB simple family (application)
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