

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREILLAGE D'ASCENSEUR

Publication
EP 1754680 A1 20070221 (EN)

Application
EP 04745689 A 20040608

Priority
JP 2004007979 W 20040608

Abstract (en)
A high capacity of a space-saved elevator apparatus is realized by decreasing the size of a traction machine (9) and by simplifying the entire configuration. For this purpose, the traction machine (9) is arranged in an upper part of a clearance (5b) in which a counterweight (6) moves vertically, a reversing sheave (8a) for car above a car (2) is arranged between two car suspending sheaves (2a, 2b) provided on both sides above the car (2) on the vertically projected plane, and a reversing sheave (8b) for counterweight above the counterweight (6) is arranged between two counterweight suspending sheaves (6a, 6b) provided above the counterweight (6) on the vertically projected plane, by which the car (2) and the counterweight (6) are suspended in a 4:1 roping system.

IPC 8 full level
B66B 7/06 (2006.01)

CPC (source: EP)
B66B 11/0045 (2013.01)

Cited by
US9371212B2; US11203511B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1754680 A1 20070221; **EP 1754680 A4 20100217**; CN 1802308 A 20060712; JP WO2005121008 A1 20080410;
WO 2005121008 A1 20051222

DOCDB simple family (application)
EP 04745689 A 20040608; CN 200480015841 A 20040608; JP 2004007979 W 20040608; JP 2006519190 A 20040608