

Title (en)
ELEVATOR SYSTEM

Title (de)
AUFZUGSSYSTEM

Title (fr)
SYSTEME D'ASCENSEUR

Publication
EP 1700813 A4 20110831 (EN)

Application
EP 03772819 A 20031117

Priority
JP 0314583 W 20031117

Abstract (en)
[origin: EP1700813A1] A car is raised and lowered so as to be guided by guide rails installed inside a hoistway. A pair of rope bodies are suspended inside the hoistway. A pair of driving machines are mounted to a lower portion of the car. Each of the driving machines has a drive sheave. The rope bodies are wound around the drive sheaves. A pair of deflection sheaves are also mounted to a lower portion of the car. The rope bodies 5 are respectively wound around each of the deflection sheaves. A weight for imparting tension to the rope bodies is suspended on lower end portions of the rope bodies. The weight is disposed inside a region projected vertically from the car.

IPC 8 full level
B66B 11/04 (2006.01); **B66B 7/10** (2006.01); **B66B 9/02** (2006.01); **B66B 11/00** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP)
B66B 7/10 (2013.01); **B66B 9/027** (2013.01); **B66B 11/005** (2013.01)

Citation (search report)

- [X] JP 2000038274 A 20000208 - OTIS ELEVATOR CO
- [X] US 3127957 A 19640407 - NELSON DONALD S
- [X] EP 0867395 A2 19980930 - OTIS ELEVATOR CO [US]
- [X] US 6345695 B1 20020212 - FARGO RICHARD N [US], et al
- [X] WO 9943601 A2 19990902 - OTIS ELEVATOR CO [US]
- [A] EP 1028082 A2 20000816 - MITSUBISHI ELECTRIC CORP [JP]
- See references of WO 2005047161A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1700813 A1 20060913; EP 1700813 A4 20110831; CN 1313351 C 20070502; CN 1714039 A 20051228; JP WO2005047161 A1 20070614; WO 2005047161 A1 20050526

DOCDB simple family (application)
EP 03772819 A 20031117; CN 200380101407 A 20031117; JP 0314583 W 20031117; JP 2005508825 A 20031117