

Title (en)
Elevator hoisting machine

Title (de)
Antriebsmaschine für Aufzüge

Title (fr)
Machine d'entraînement pour ascenseur

Publication
EP 2263962 A1 20101222 (EN)

Application
EP 10178286 A 20001211

Priority
• EP 06014916 A 20001211
• EP 00980037 A 20001211
• JP 0008747 W 20001211

Abstract (en)
In an elevator hoisting machine, a rotating shaft is rotatably supported in a bearing mount. The rotating shaft is rotated by a driving force from a drive motor. An elevator car is raised and lowered by means of a main rope by rotation of the rotating shaft. A main rope winding portion around which the main rope is wound is formed integrally on the rotating shaft. A rope groove into which the main rope is inserted is disposed on the main rope winding portion.

IPC 8 full level
B66B 11/08 (2006.01); **B66B 7/06** (2006.01); **B66B 11/04** (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP)
B66B 11/0438 (2013.01); **D07B 1/025** (2013.01); **D07B 1/162** (2013.01); **D07B 1/165** (2013.01); **D07B 2201/1036** (2013.01); **D07B 2201/2073** (2013.01); **D07B 2201/2074** (2013.01); **D07B 2201/2076** (2013.01); **D07B 2201/2087** (2013.01); **D07B 2205/205** (2013.01); **D07B 2205/2064** (2013.01); **D07B 2501/2007** (2013.01)

Citation (search report)
• [A] JP H09142761 A 19970603 - MITSUBISHI ELECTRIC CORP
• [A] EP 1010660 A1 20000621 - MITSUBISHI ELECTRIC CORP [JP]
• [A] US 5982060 A 19991109 - HAKALA HARRI [FI], et al
• [A] EP 0672781 A1 19950920 - INVENTIO AG [CH]
• [A] WO 9816681 A2 19980423 - OTIS ELEVATOR CO [US]

Designated contracting state (EPC)
CH DE FR LI NL

DOCDB simple family (publication)
EP 1357076 A1 20031029; **EP 1357076 A4 20040407**; **EP 1357076 B1 20100210**; CN 1192971 C 20050316; CN 1433374 A 20030730; DE 60043829 D1 20100325; DE 60045719 D1 20110421; EP 1707528 A1 20061004; EP 1707528 B1 20110309; EP 1707528 B2 20190911; EP 1818306 A1 20070815; EP 1818306 B1 20110831; EP 2263962 A1 20101222; EP 2263962 B1 20120829; JP WO2002048016 A1 20040415; WO 0248016 A1 20020620

DOCDB simple family (application)
EP 00980037 A 20001211; CN 00818816 A 20001211; DE 60043829 T 20001211; DE 60045719 T 20001211; EP 06014916 A 20001211; EP 07009944 A 20001211; EP 10178286 A 20001211; JP 0008747 W 20001211; JP 2002549559 A 20001211