

Title (en)  
HOIST FOR ELEVATOR

Title (de)  
HEBEVORRICHTUNG FÜR AUFZUG

Title (fr)  
TREUIL D'ASCENSEUR

Publication  
**EP 1357076 A4 20040407 (EN)**

Application  
**EP 00980037 A 20001211**

Priority  
JP 0008747 W 20001211

Abstract (en)  
[origin: EP1357076A1] 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. <IMAGE>

IPC 1-7  
**B66B 11/08**

IPC 8 full level  
**B66B 11/04** (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)

- [XAY] EP 1010660 A1 20000621 - MITSUBISHI ELECTRIC CORP [JP]
- [XA] US 5982060 A 19991109 - HAKALA HARRI [FI], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10 31 October 1997 (1997-10-31)
- See references of WO 0248016A1

Cited by  
FR2890499A1; CN1304267C; CN1297467C; US7538462B2

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**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

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