

Title (en)
Elevator machinery and its installation

Title (de)
Aufzugsantrieb und sein Einbau

Title (fr)
Machinerie d'ascenseur et son montage

Publication
EP 0688735 A2 19951227 (EN)

Application
EP 95109094 A 19950613

Priority
FI 943043 A 19940623

Abstract (en)
An elevator machinery (1) with a disc type motor is mounted on one of the guide rails (6) of the elevator car or counterweight. The guide rail (6) constitutes a part adding to the mechanical strength of the elevator machinery. The vertical forces applied to the traction sheave (4) by the elevator ropes are passed to the guide rail (6) via the rolling center of a bearing. The elevator machinery is provided with a damping system to absorb vibrations and oscillations. The elevator machinery (1) of the invention is light in weight, needs only a small space when mounted and is inexpensive to manufacture. <IMAGE>

IPC 1-7
B66B 11/04

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

CPC (source: EP KR)
B66B 11/0045 (2013.01 - EP); **B66B 11/04** (2013.01 - KR); **B66B 11/0438** (2013.01 - EP)

Citation (applicant)
US 5018603 A 19910528 - ITO HIROYASU [JP]

Cited by
KR100441043B1; DE102005002607A1; EP1391413A3; EP1911715A1; EP1081086A1; US6085874A; EP0878430A3; AU742393B2; US6138799A; CN1104372C; EP0953538A3; DE10205170B4; US6039152A; EP3210925A1; AU719281B2; CN1087710C; CN1092132C; EP0849209A1; EP1547959A3; US6830131B2; US6397974B1; US6397975B1; US6305499B1; US6848543B2; US7874404B1; US10745246B2; WO0248016A1; WO9943599A1; WO2005054108A1; WO9943589A1; WO0119715A1; WO9943600A1; US6672013B1; US6860367B1; US7299896B1; US12043522B2; WO0015535A1; WO9943590A1; WO0014004A1; WO9916694A3; US6478117B2; US6202793B1; US6325177B1; US6345695B1; WO9832684A1; WO9832685A1; WO9832686A1; KR100559071B1; KR100501108B1; US7246688B2; US6199666B1; US6220395B1; US6234275B1; US6367587B2; US8448751B2; US6401873B1; US6382360B2; US6390243B2; US6491136B2; US6193016B1; US6782975B1; EP3747820B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0688735 A2 19951227; EP 0688735 A3 19960508; EP 0688735 B1 20000119; AT E188945 T1 20000215; AU 2173595 A 19960111; AU 693542 B2 19980702; BR 9502924 A 19960130; CA 2152292 A1 19951224; CA 2152292 C 20040831; CN 1081162 C 20020320; CN 1117938 A 19960306; DE 688735 T1 19980409; DE 69514574 D1 20000224; DE 69514574 T2 20000907; DK 0688735 T3 20000619; EP 0891939 A1 19990120; ES 2141865 T3 20000401; FI 943043 A0 19940623; FI 95689 B 19951130; FI 95689 C 19960311; GR 3033252 T3 20000929; JP 2777340 B2 19980716; JP H0840676 A 19960213; KR 100314454 B1 20021122; KR 960000750 A 19960125; PT 688735 E 20000531; RU 2139829 C1 19991020; RU 95110779 A 19970520

DOCDB simple family (application)
EP 95109094 A 19950613; AT 95109094 T 19950613; AU 2173595 A 19950619; BR 9502924 A 19950623; CA 2152292 A 19950621; CN 95107080 A 19950622; DE 69514574 T 19950613; DE 95109094 T 19950613; DK 95109094 T 19950613; EP 98119942 A 19950613; ES 95109094 T 19950613; FI 943043 A 19940623; GR 20000400935 T 20000417; JP 15281095 A 19950620; KR 19950017059 A 19950623; PT 95109094 T 19950613; RU 95110779 A 19950622