

Title (en)
Elevator machinery and its installation

Title (de)
Aufzugsantrieb und sein Einbau

Title (fr)
Machinerie d'ascenseur et son montage

Publication
EP 0688735 A3 19960508 (EN)

Application
EP 95109094 A 19950613

Priority
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Abstract (en)
[origin: EP0688735A2] 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>

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Citation (search report)
• [X] US 2088690 A 19370803 - CRISPEN CLARENCE C
• [A] US 5018603 A 19910528 - ITO HIROYASU [JP]
• [A] US 4664230 A 19870512 - OLSEN LAWRENCE O [US]

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

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DOCDB simple family (application)
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