

Title (en)
Energy saving device for an elevator

Title (de)
Energiesparvorrichtung für einen Aufzug

Title (fr)
Dispositif économiseur d'énergie pour un ascenseur

Publication
EP 0703182 A3 19961204 (EN)

Application
EP 95114463 A 19950914

Priority
FI 944295 A 19940916

Abstract (en)
[origin: EP0703182A2] The invention relates to a system for the supply of energy in an elevator, in which system the elevator motor (1) is fed by a frequency converter (15) comprising a rectifier (3), an inverter bridge (2) and an intermediate circuit (4,10,11) between them. A direct voltage converter (5) is used to convert a large intermediate voltage to a level suitable for a battery (6) and the elevator's braking energy is supplied into the battery (6). The battery (6) is connected to supply power to other elevator equipment (7,8,9) except the drive motor (1). <IMAGE>

IPC 1-7
B66B 11/00; **B66B 5/02**

IPC 8 full level
B66B 1/34 (2006.01); **B66B 1/30** (2006.01); **B66B 5/02** (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP)
B66B 1/302 (2013.01); **B66B 1/308** (2013.01)

Citation (search report)

- [A] GB 2105128 A 19830316 - MITSUBISHI ELECTRIC CORP [JP]
- [A] GB 2139831 A 19841114 - MITSUBISHI ELECTRIC CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 18, no. 87 (M - 1559) 14 February 1994 (1994-02-14)

Cited by
CN109088737A; CN113224808A; EP2597061A1; CN101976833A; EP2738130A1; ES2299310A1; EP0850868A1; US5893432A; US8714286B2; US8955657B2; US8053931B2; WO2008155445A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0703182 A2 19960327; **EP 0703182 A3 19961204**; **EP 0703182 B1 20010404**; DE 69520533 D1 20010510; DE 69520533 T2 20010712; FI 112008 B 20031015; FI 944295 A0 19940916; FI 944295 A 19960317; JP H08169653 A 19960702

DOCDB simple family (application)
EP 95114463 A 19950914; DE 69520533 T 19950914; FI 944295 A 19940916; JP 23631095 A 19950914