

Title (en)
HOIST DEVICE FOR ELEVATOR

Title (de)
HEBEZEUGVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF ELEVATEUR POUR ASCENSEUR

Publication
EP 1873111 A4 20121114 (EN)

Application
EP 05734540 A 20050420

Priority
JP 2005007537 W 20050420

Abstract (en)
[origin: EP1873111A1] An objective is to provide an elevator hoist apparatus that can resolve a problem in which acceleration for stopping a car increases when the braking characteristics of a brake decrease or malfunction occurs that the brake itself does not effectively drive, and can also prevent the increase of an installing space and the increase of the number of parts. The elevator hoist apparatus includes a hoist 1; a sheave 2 fixed to the output axis of the hoist 1; a speed detector 3 for detecting the output-axis rotation speed of the hoist 1; a rope-guard braking means 6 that functions as a rope guard of the sheave 2 or a deviation sheave 5 in the normal operation, and functions as a breaking means in an emergency; and a control means 14 for detecting abnormality, due to over speed, from the rotation speed detected by the speed detector 3, and for operating the rope-guard braking means 6.

IPC 8 full level
B66B 11/08 (2006.01); **B66B 5/06** (2006.01); **B66B 5/18** (2006.01); **B66D 5/08** (2006.01); **B66D 5/16** (2006.01); **B66D 5/30** (2006.01)

CPC (source: EP)
B66B 5/185 (2013.01); **B66D 5/08** (2013.01); **B66D 5/16** (2013.01); **B66D 5/30** (2013.01)

Citation (search report)

- [X] GB 2131381 A 19840620 - MITSUBISHI ELECTRIC CORP
- [E] EP 1792865 A1 20070606 - MITSUBISHI ELECTRIC CORP [JP]
- See references of WO 2006114872A1

Cited by
WO2014086639A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1873111 A1 20080102; **EP 1873111 A4 20121114**; CN 1993289 A 20070704; CN 1993289 B 20120418; JP WO2006114872 A1 20081211; WO 2006114872 A1 20061102

DOCDB simple family (application)
EP 05734540 A 20050420; CN 200580026655 A 20050420; JP 2005007537 W 20050420; JP 2006526880 A 20050420