

Title (en)
ELEVATOR EQUIPMENT

Title (de)
AUFZUGSEINRICHTUNG

Title (fr)
EQUIPEMENT DE DISPOSITIF ELEVATEUR

Publication
EP 1598299 A4 20090902 (EN)

Application
EP 03816061 A 20030227

Priority
JP 0302242 W 20030227

Abstract (en)
[origin: EP1598299A1] A main rope is wound around a drive sheave of a driving machine in an elevator system. A car and a counterweight are suspended down from the main rope. Provided on a counterweight side of the drive sheave is a rope braking apparatus that stops ascent of the car due to the driving machine by gripping the main rope when the counterweight travels further downward than its normal travel excursion. <IMAGE>

IPC 8 full level
B66B 5/02 (2006.01); **B66B 5/08** (2006.01); **B66B 5/18** (2006.01)

CPC (source: EP KR)
B66B 5/02 (2013.01 - KR); **B66B 5/185** (2013.01 - EP)

Citation (search report)

- [X] DD 212242 A1 19840808 - MAUER HARTMUT
- [XA] WO 0078660 A1 20001228 - KISAN INFORMATION SYSTEM CORP [KR]
- [A] US 5228540 A 19930720 - GLASER WALTER [US]
- [X] BARKAND T D: "ASCENDING ELEVATOR ACCIDENTS: GIVE THE MINER A BRAKE", IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 28, no. 3, 1 May 1992 (1992-05-01), pages 720 - 729, XP000306123, ISSN: 0093-9994
- See references of WO 2004076325A1

Designated contracting state (EPC)
DE

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EP 1598299 A1 20051123; **EP 1598299 A4 20090902**; **EP 1598299 B1 20151202**; CN 100372753 C 20080305; CN 1649789 A 20050803; JP 4312721 B2 20090812; JP WO2004076325 A1 20060601; KR 100645666 B1 20061114; KR 20040104565 A 20041210; WO 2004076325 A1 20040910

DOCDB simple family (application)
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