

Title (en)
EMERGENCY BRAKE DEVICE FOR ELEVATOR

Title (de)
NOTBREMSVORRICHTUNG FÜR AUFZUG

Title (fr)
SYSTEME DE FREINAGE D'URGENCE DESTINE A UN ASCENSEUR

Publication
EP 1498380 A4 20110105 (EN)

Application
EP 02720525 A 20020419

Priority
JP 0203935 W 20020419

Abstract (en)
[origin: EP1498380A1] The present invention provides an inexpensive elevator emergency braking apparatus operating to swiftly decelerate or stop a car when the car ascends at greater than or equal to a rated velocity, and not requiring special installation space. <??>The elevator emergency braking apparatus includes a braking mechanism portion mounted inside a sheave so as to be pivotable around a first shaft parallel to an axle of the sheave and so as to be positioned on a like side as a counterweight relative to a vertical line passing through the axle, and being provided with a brake shoe at an opposite end from the first shaft, the braking mechanism portion adopting a standby position in which the brake shoe is separated from an inner circumferential wall surface of an outer ring of the sheave and a braking position in which the brake shoe contacts the inner circumferential wall surface of the outer ring; and an activating mechanism portion for maintaining the braking mechanism portion in the standby position when not braking and maintaining the braking mechanism portion in the braking position when braking. <IMAGE>

IPC 1-7
B66B 5/02

IPC 8 full level
B66B 5/02 (2006.01); **B66B 15/00** (2006.01); **B66D 5/08** (2006.01); **B66D 5/30** (2006.01)

CPC (source: EP KR)
B66B 5/02 (2013.01 - EP); **B66B 5/04** (2013.01 - KR); **B66B 15/04** (2013.01 - EP); **B66D 5/08** (2013.01 - EP); **B66D 5/30** (2013.01 - EP)

Citation (search report)
• [X] EP 1078876 A2 20010228 - MITSUBISHI ELECTRIC CORP [JP]
• [X] EP 1043261 A2 20001011 - MITSUBISHI ELECTRIC CORP [JP]
• [X] US 4739969 A 19880426 - ECKERSLEY GREGORY [AU], et al
• [A] US 5018603 A 19910528 - ITO HIROYASU [JP]
• See references of WO 03089354A1

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EP1724228A4

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 1498380 A1 20050119; EP 1498380 A4 20110105; CN 1305748 C 20070321; CN 1533355 A 20040929; JP 4115396 B2 20080709; JP WO2003089354 A1 20050825; KR 100614145 B1 20060821; KR 20040016974 A 20040225; WO 03089354 A1 20031030

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EP 02720525 A 20020419; CN 02814513 A 20020419; JP 0203935 W 20020419; JP 2003586079 A 20020419; KR 20047000246 A 20020419