

Title (en)  
ELEVATOR DEVICE

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ASCENSEUR

Publication  
**EP 1939125 A4 20120905 (EN)**

Application  
**EP 05793494 A 20051017**

Priority  
JP 2005019044 W 20051017

Abstract (en)  
[origin: EP1939125A1] In an elevator apparatus, running of a car is braked by a first brake device and a second brake device. Operations of the first brake device and the second brake device are controlled by a brake control portion. When a sudden stop command to make a sudden stop of the car is issued, the brake control portion first causes the first brake device to perform braking operation. When the deceleration of the car is equal to or smaller than a predetermined value after a lapse of a predetermined time, the brake control portion causes the second brake device to perform braking operation.

IPC 8 full level  
**B66B 1/32** (2006.01); **B66B 5/02** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP)  
**B66B 1/32** (2013.01); **B66B 5/02** (2013.01)

Citation (search report)

- [Y] US 5377788 A 19950103 - BIEWALD JOACHIM [DE], et al
- [Y] JP H03243576 A 19911030 - MITSUBISHI ELECTRIC CORP
- [A] JP H07157211 A 19950620 - MITSUBISHI ELECTRIC CORP
- [A] JP H07206288 A 19950808 - TOSHIBA CORP
- See references of WO 2007046129A1

Cited by  
EP3569547A1; EP4039630A1; US10207896B2; US11078045B2

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1939125 A1 20080702; EP 1939125 A4 20120905; EP 1939125 B1 20150311**; CN 101056813 A 20071017; CN 101056813 B 20110817; JP 4980058 B2 20120718; JP WO2007046129 A1 20090423; WO 2007046129 A1 20070426

DOCDB simple family (application)  
**EP 05793494 A 20051017**; CN 200580037176 A 20051017; JP 2005019044 W 20051017; JP 2006529380 A 20051017