

Title (en)  
ELEVATOR APPARATUS

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
ASCENSEUR

Publication  
**EP 2147883 B1 20171129 (EN)**

Application  
**EP 07744009 A 20070524**

Priority  
JP 2007060575 W 20070524

Abstract (en)  
[origin: EP2147883A1] In an elevator apparatus, a brake control device comprises: a first brake control portion for operating a brake device upon detection of an abnormality to stop a car as an emergency measure; and a second brake control portion for reducing a braking force of the brake device when a deceleration of the car becomes equal to or higher than a threshold value at a time of an emergency braking operation of the first brake control portion. The second brake control portion includes a first calculation portion and a second calculation portion, each independently executing an operation of reducing the braking force of the brake device by calculation processing. The threshold value is set in the first calculation portion to vary according to a car position, and the threshold value is set in the second calculation portion as in a case of the first calculation portion.

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

CPC (source: EP KR)  
**B66B 1/24** (2013.01 - KR); **B66B 1/30** (2013.01 - KR); **B66B 1/32** (2013.01 - EP KR); **B66B 5/02** (2013.01 - EP); **B66B 5/04** (2013.01 - KR)

Citation (opposition)  
Opponent : Wittur Holding GmbH  
• JP H07206288 A 19950808 - TOSHIBA CORP  
• "Safety rules for the construction and installation of lifts- Part 1: Electric lifts", EUROPEAN STANDARD EN 81-1, August 1998 (1998-08-01)  
• "Sicherheitsregeln für die Konstruktion und den Einbau von Aufzügen - Teil 1: Elektrisch betriebene Personen- und Lastenaufzüge", EUROPÄISCHE NORM SCHLUSS-ENTWURF EN 81-1:1998/PRA1, July 2003 (2003-07-01)

Cited by  
US2020283261A1; US9457987B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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