

Title (en)  
ELEVATOR DEVICE

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF ELEVATEUR

Publication  
**EP 1460021 A1 20040922 (EN)**

Application  
**EP 01978950 A 20011030**

Priority  
JP 0109515 W 20011030

Abstract (en)  
Disclosed is an elevator apparatus having a car on which is mounted a vibration reducing device adapted to be engaged with a stationary portion in the hoistway when the car is at rest to attenuate vibration of the car. The vibration reducing device has a friction shoe to be pressed against a guide rail serving as the stationary portion and an electromagnetic actuator for bringing the friction shoe into and out of contact with the guide rail.  
<IMAGE>

IPC 1-7  
**B66B 11/02**

IPC 8 full level  
**B66B 11/02** (2006.01)

CPC (source: EP KR)  
**B66B 7/04** (2013.01 - KR); **B66B 11/028** (2013.01 - EP)

Cited by  
EP1705147A1; US2016355377A1; US10442662B2; EP2655233A4; WO2023017312A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1460021 A1 20040922; EP 1460021 A4 20081112**; CN 1482994 A 20040317; JP WO2003037773 A1 20050217;  
KR 20040019269 A 20040305; WO 03037773 A1 20030508

DOCDB simple family (application)  
**EP 01978950 A 20011030**; CN 01821230 A 20011030; JP 0109515 W 20011030; JP 2003533382 A 20011030; KR 20037008630 A 20030625