

Title (en)  
DAMPING DEVICE OF ELEVATOR

Title (de)  
DÄMPFUNGSVORRICHTUNG FÜR EINEN AUFZUG

Title (fr)  
DISPOSITIF AMORTISSEUR POUR ASCENSEUR

Publication  
**EP 1739047 A4 20080723 (EN)**

Application  
**EP 05728716 A 20050405**

Priority  
• JP 2005006666 W 20050405  
• JP 2004111943 A 20040406

Abstract (en)  
[origin: EP1739047A1] A vibration damping device for an elevator can improve the ride comfort of an elevator cage included in the elevator by efficiently damping the vibration of the elevator cage. The vibration damping device uses a filtering means for reducing the gains of vibrations of frequencies outside a frequency band including the low natural frequency of vibration insulating means elastically supporting the elevator cage. Thus, the ride comfort of the elevator cage can be improved by concentratedly using a movable weight and a driving means for damping vibrations caused by the vibration of a low natural frequency of the vibration isolating means.

IPC 8 full level  
**B66B 1/06** (2006.01); **B66B 11/02** (2006.01)

CPC (source: EP)  
**B66B 11/0286** (2013.01)

Citation (search report)  
• [X] EP 1201593 A1 20020502 - INVENTIO AG [CH]  
• [X] JP H11116166 A 19990427 - TOSHIBA CORP  
• [X] EP 1262439 A2 20021204 - MITSUBISHI ELECTRIC CORP [JP]  
• See references of WO 2005097655A1

Designated contracting state (EPC)  
DE FI

DOCDB simple family (publication)  
**EP 1739047 A1 20070103; EP 1739047 A4 20080723**; CN 1938214 A 20070328; JP 2005298071 A 20051027; JP 4868712 B2 20120201; TW 200604086 A 20060201; TW I290532 B 20071201; WO 2005097655 A1 20051020

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**EP 05728716 A 20050405**; CN 200580010232 A 20050405; JP 2004111943 A 20040406; JP 2005006666 W 20050405; TW 94110903 A 20050406