

Title (en)  
BRAKE SYSTEM FOR ELEVATOR

Title (de)  
BREMSSYSTEM FÜR AUFZUG

Title (fr)  
SYSTEME DE FREINAGE POUR ASCENSEUR

Publication  
**EP 1568643 A4 20100901 (EN)**

Application  
**EP 02788718 A 20021204**

Priority  
JP 0212707 W 20021204

Abstract (en)  
[origin: EP1568643A1] A braking device for an elevator comprises a shoe-housing mechanism (10) which has a shoe-pressing surface (15) of which the upper part narrows towards the guiderail (3), and is fixed to the car frame (2). The shoe-housing mechanism (10) has a braking surface (12a) facing the guiderail (3) and a rear surface (12b) facing the shoe-pressing surface (15), and on the braking surface (12a), a first shoe (12) on which a housing groove (17) which has a bottom surface (18) of which the lower part narrows towards the guiderail (3), is housed. In the housing groove (17), a second shoe (13) having a braking surface (13a) facing the guiderail (3) and a rear surface (13b) facing the bottom surface (18), is housed. Also, the first shoe (12) and the second shoe (13) are activated respectively to brake in cases where the car (1) accelerates abnormally upward/downward by a lever (5) which operates simultaneously with a governor rope (4) via a pin (6). <IMAGE>

IPC 1-7  
**B66B 5/22**; **B66B 5/04**

IPC 8 full level  
**B66B 5/04** (2006.01); **B66B 5/22** (2006.01)

CPC (source: EP KR)  
**B66B 5/04** (2013.01 - KR); **B66B 5/22** (2013.01 - EP KR)

Citation (search report)

- [A] DE 29614516 U1 19980102 - HAUSHAHN C GMBH CO [DE]
- See references of WO 2004050525A1

Cited by  
CN109279474A; EP1942071A3; US11649139B2; US11235949B2; US8869946B2; EP3604196A1

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1568643 A1 20050831**; **EP 1568643 A4 20100901**; **EP 1568643 B1 20110914**; CN 100337896 C 20070919; CN 1589226 A 20050302; JP 4170295 B2 20081022; JP WO2004050525 A1 20060330; KR 100611596 B1 20060810; KR 20040082375 A 20040924; WO 2004050525 A1 20040617

DOCDB simple family (application)  
**EP 02788718 A 20021204**; CN 02823204 A 20021204; JP 0212707 W 20021204; JP 2004556805 A 20021204; KR 20047007580 A 20021204