

Title (en)  
Safety device for elevators and elevator comprising said device

Title (de)  
Sicherheitsvorrichtung für Aufzüge und Aufzug

Title (fr)  
Dispositif de securité pour ascenseurs et ascenseur

Publication  
**EP 2769952 A3 20141029 (EN)**

Application  
**EP 14382066 A 20140226**

Priority  
ES 201330259 A 20130226

Abstract (en)  
[origin: EP2769952A2] The device comprises braking means of the elevator car or counterweight acting on guides (9) of the elevator, and is characterized in that said braking means comprise a switching element (1) that can be arranged in at least: a first position in which said braking means can function as a safety gear to prevent the free fall or the uncontrolled movement of the car or of the counterweight; and a second position in which said braking means function as a pit buffer to absorb the energy of the car or of the counterweight if a malfunction causes the car or the counterweight to surpass end stop positions, or as a pit buffer and as a safety gear. The present invention allows performing safety gear and pit buffer functions, eliminating conventional pit buffers.

IPC 8 full level  
**B66B 5/02** (2006.01); **B66B 5/28** (2006.01)

CPC (source: EP ES)  
**B66B 5/02** (2013.01 - ES); **B66B 5/022** (2013.01 - EP); **B66B 5/18** (2013.01 - ES); **B66B 5/282** (2013.01 - EP); **B66B 5/284** (2013.01 - EP ES)

Citation (search report)  
• [XAY] CN 101979298 A 20110223 - HITACHI ELEVATOR CHINA CO LTD  
• [YA] DE 2604157 A1 19770811 - AUFZUGSWERK GALL & HECKELMANN  
• [A] US 4512444 A 19850423 - KOPPENSTEINER WERNER [AT]

Cited by  
CN104944247A; EP3288885A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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