

Title (en)  
Elevator pit buffer

Title (de)  
Aufzugschachtpuffer

Title (fr)  
Amortisseur de puits d'ascenseur

Publication  
**EP 2824055 A1 20150114 (EN)**

Application  
**EP 13175910 A 20130710**

Priority  
EP 13175910 A 20130710

Abstract (en)  
A pit buffer (1) for an elevator pit (9) comprising a roping (2) running across the elevator shaft (15) and being attached to a stationary support from its both ends, and a buffering structure (5) comprising a cylinder (6), a piston (7) and a guiding structure (8), characterized in that the first end of the roping (2) is attached at or above the point (18a) along the vertical movement path of the elevator car (3) or the counterweight (4) at which the elevator car (3) or counterweight (4) is configured to touch the roping (2), in that the roping (2) is configured to run over the guiding structure (8), and in that the second end of the roping (2) is attached to a point (18b) lower along the vertical movement path of the elevator car (3) or the counterweight (4) than the lowest point to which the guiding structure (8) is configured to retract.

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

CPC (source: EP)  
**B66B 5/282** (2013.01)

Citation (applicant)  
US 5195616 A 19930323 - YOO YOUNG S [US], et al

Citation (search report)  
• [IA] CN 202208584 U 20120502 - BEIJING SHENGHUA ELEVATOR GROUP CO LTD  
• [AD] US 5195616 A 19930323 - YOO YOUNG S [US], et al  
• [A] JP 2007197138 A 20070809 - HITACHI LTD  
• [A] CN 2195535 Y 19950426 - SUO SHUANGFU [CN]  
• [A] US 751504 A 19040209

Cited by  
CN114955786A; CN114955795A

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)  
BA ME

DOCDB simple family (publication)  
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