

Title (en)  
TOE GUARD FOR AN ELEVATOR CAR AND ELEVATOR CAR SYSTEM

Title (de)  
SCHÜRZE FÜR EINE AUFZUGSKABINE UND AUFZUGSKABINENSYSTEM

Title (fr)  
GARDE-PIEDS DESTINÉ À UNE CABINE D'ASCENSEUR ET SYSTÈME DE CABINE D'ASCENSEUR

Publication  
**EP 3403984 A1 20181121 (EN)**

Application  
**EP 17171048 A 20170515**

Priority  
EP 17171048 A 20170515

Abstract (en)  
A toe guard (20) for an elevator car (10) for moving in an elevator shaft (90) is proposed, wherein the toe guard (20) comprises at least a first element (30) and a second element (35), wherein the first element (30) comprises a mounting section (32) for mounting the first element (30) at the elevator car (10), wherein the second element (35) is movable relative to the first element (30) in a first direction (25) towards the mounting section (32) and opposite to the first direction (25) away from the mounting section (32), characterized in that the second element (35) comprises at least one first magnet (50, 51), wherein the first magnet (50, 51) is disposed at an end section (37) of the second element (35), wherein the end section (37) is distal to the mounting section (32), and wherein the first magnet (50, 51) is adapted to be repelled by a second magnet (60) on a bottom (91) of the elevator shaft (90) such that the second element (35) is moved relative to the first element (30) in the first direction (25) towards the mounting section (32) when the first magnet (50, 51) is closer to the second magnet (60) than a set distance.

IPC 8 full level  
**B66B 13/28** (2006.01)

CPC (source: EP)  
**B66B 13/285** (2013.01)

Citation (applicant)  
DE 102008038408 A1 20090305 - ELT ELECTRONIC LIFT THOMA GMBH [DE]

Citation (search report)  

- [A] EP 1781563 A2 20070509 - KONE CORP [FI]
- [A] US 734225 A 19030721 - FISK CHARLES D B [US], et al
- [A] EP 2138443 A1 20091230 - MAC PUAR S A [ES]
- [A] CN 202046777 U 20111123 - BEIJING SHENGHUA ELEVATOR GROUP CO LTD
- [A] US 6588811 B1 20030708 - FERGUSON EDWARD B [US]
- [A] ANDREA BIFFI: "Sugru Neodymium Repelling Door Buffer: 5 Steps", INSTRUCTABLES, 30 April 2014 (2014-04-30), XP055426472, Retrieved from the Internet <URL:http://www.instructables.com/id/Sugru-neodymium-door-buffer/> [retrieved on 20171117]

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Designated extension state (EPC)  
BA ME

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