

Title (en)  
DOOR GAP MONITORING

Title (de)  
TÜRSPALTÜBERWACHUNG

Title (fr)  
CONTROLE DU JEU ENTRE DORMANT ET VANTAIL

Publication  
**EP 1509665 B1 20070103 (DE)**

Application  
**EP 03752769 A 20030520**

Priority  
• AT 7802002 A 20020522  
• EP 0305269 W 20030520

Abstract (en)  
[origin: US7603813B2] The present disclosure relates to a method of monitoring a door gap to determine whether a proper final closed position of doors exists after a closing of doors of rail vehicles, or other vehicles or elevators. The vehicles or elevators have at least one door leaf which is equipped on its main closing edge with an elastically deformable or elastically mounted profile. The position and/or shape of the profile is detected by electric, pneumatic, optical, inductive, capacitive or magnetic sensors or a combination of such sensors in connection with an electronic monitoring system which analyzes the signals of the sensors and, if applicable, determines the existence of the door gap. The method steps include closing the doors, activating the electronic monitoring system after the closing of the doors; monitoring the door gap and determining a final closed position of the doors by the electronic monitoring system.

IPC 8 full level  
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CPC (source: EP US)  
**E05F 15/42** (2015.01 - EP US); **E05Y 2400/66** (2013.01 - EP US); **E05Y 2800/00** (2013.01 - EP US)

Cited by  
US7603813B2; US9388634B2; US11634936B2; WO2013067549A1; US9309717B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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**WO 03097977 A1 20031127**; AT 414005 B 20060815; AT A7802002 A 20051115; AT E350561 T1 20070115; AU 2003242549 A1 20031202; CA 2486921 A1 20031127; CA 2486921 C 20110726; CN 1325740 C 20070711; CN 1662722 A 20050831; DE 50306192 D1 20070215; EP 1509665 A1 20050302; EP 1509665 B1 20070103; ES 2280783 T3 20070916; HK 1080530 A1 20060428; PL 207460 B1 20101231; PL 371672 A1 20050627; US 2006070820 A1 20060406; US 7603813 B2 20091020

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