

Title (en)  
ANTI-ENTRAPMENT SAFETY SYSTEM

Title (de)  
EINKLEMMSCHUTZSICHERHEITSSYSTEM

Title (fr)  
SYSTÈME DE SÉCURITÉ ANTI-PIÈGE

Publication  
**EP 3736242 A1 20201111 (EN)**

Application  
**EP 19382338 A 20190506**

Priority  
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Abstract (en)  
The present invention refers to an anti-entrapment safety system for a passenger moving system comprising preferably a first endless handrail belt and preferably a second endless handrail belt, wherein the safety system comprises a plurality of movable parts wherein a first movable part is adapted to respond to an entrapment force ( $F_{e}$ ) applied thereto and wherein the response comprises an upwards rotation or a downwards rotation of the first movable part. The upwards rotation or the downwards rotation of the first movable part preferably activates the anti-entrapment safety system when the rotation exceeds a pre-determined threshold value. The threshold value is preferably defined as a rotation in the range of 0.5 to 20.0 degrees.

IPC 8 full level  
**B66B 29/04** (2006.01)

CPC (source: EP)  
**B66B 29/04** (2013.01)

Citation (applicant)  

- JP H11301857 A 19991102 - CANON KK
- JP 2001106464 A 20010417 - ISHIKAWAJIMA HARIMA HEAVY IND

Citation (search report)  

- [XA] WO 9714644 A1 19970424 - LODERWAY PTY LTD [AU], et al
- [XA] EP 3229249 A1 20171011 - OMRON TATEISI ELECTRONICS CO [JP]
- [XA] DE 2054640 A1 19720510 - RHEINSTAHL EGGERS KEHRHAHN
- [A] JP 2001106463 A 20010417 - NIPPON KOKAN KK
- [A] DE 69429678 T2 20020814 - MITSUBISHI HEAVY IND LTD [JP]

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