

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
EP 19382338 A 20190506

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]

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)
EP 3736242 A1 20201111; WO 2020224989 A1 20201112

DOCDB simple family (application)
EP 19382338 A 20190506; EP 2020061435 W 20200424