

Title (en)

TRAIN PLATFORM SAFETY DEVICE INCLUDING PASSENGER AND OBSTACLE DETECTION FUNCTION

Title (de)

SICHERHEITSVORRICHTUNG FÜR BAHNSTEIG MIT FUNKTION ZUR ERKENNUNG VON FAHRGÄSTEN UND HINDERNISSEN

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR PLATE-FORME DE TRAIN COMPRENANT UNE FONCTION DE DÉTECTION DE PASSAGERS ET D'OBSTACLES

Publication

EP 3495224 A1 20190612 (EN)

Application

EP 18210083 A 20181204

Priority

TW 106143010 A 20171207

Abstract (en)

The present invention relates to a train platform safety device including a passenger and obstacle detection function, the train platform safety device including: multiple lifting/lowering units provided on selected portions of an entrance and an exit of a platform; at least two moving bodies provided in the lifting/lowering units; ropes provided horizontally; a motor moving the moving body upward and downward; and a detection means controlling the upward and downward movements of the moving body. According to the present invention, when the ropes hit a passenger or an obstacle while moving upward and downward, the platform safety device detects the hitting and stops or moves the ropes in a direction contrary to a direction in which each of the ropes is moving, thereby preventing accidents. Unlike the conventional detection device, frequent malfunctions or misoperations of the sensor caused by foreign materials do not occur, so that operation reliability is obtained.

IPC 8 full level

B61B 1/02 (2006.01)

CPC (source: EP)

B61B 1/02 (2013.01)

Citation (applicant)

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- JP 2008534827 A 20080828
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Citation (search report)

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- [ID] KR 100601112 B1 20060719 - SKD HI TEC CO LTD [KR], et al
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- [A] JP 2016199188 A 20161201 - NIPPON SIGNAL CO LTD:THE

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CN111959543A

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 3495224 A1 20190612; EP 3495224 B1 20200729; JP 2019099149 A 20190624; JP 6648247 B2 20200214; TW 201924993 A 20190701; TW I681890 B 20200111

DOCDB simple family (application)

EP 18210083 A 20181204; JP 2018227910 A 20181205; TW 106143010 A 20171207