

Title (en)

A SAFETY DEVICE FOR THE SURVEILLANCE ALONG A RAILWAY ROUTE OF THE CROSSING AREAS FOR PEDESTRIANS AND VEHICLES IN CORRESPONDENCE OF LEVEL CROSSINGS OR RISK ZONES

Title (de)

SICHERHEITSVORRICHTUNG ZUR ÜBERWACHUNG DER KREUZUNGSBEREICHE FÜR FUSSGÄNGER UND FAHRZEUGE EINER EISENBAHNSTRECKE JE NACH KREUZUNG ODER GEFAHRENZONE

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR LA SURVEILLANCE LE LONG D'UNE LIGNE DE CHEMIN DE FER DES ZONES DE CROISEMENT POUR PIÉTONS ET VÉHICULES EN FONCTION DE PASSAGES À NIVEAU OU DE ZONES À RISQUE

Publication

**EP 2576317 B1 20170614 (EN)**

Application

**EP 10737384 A 20100524**

Priority

IT 2010000228 W 20100524

Abstract (en)

[origin: WO2011148394A1] The present invention concerns a safety device for monitoring a crossing point (2) of a railway line. In particular, the device comprises one, or preferably a plurality of, sentinel apparatus (3) to be installed along the course made by the train (1) in correspondence of the crossing points (2). Each sentinel apparatus (3) is provided with an image acquisition device (5) and transmission means (6) of the images acquired. A receiving device (10) can be installed on the train and is configured in such a way as to acquire the images (5) sent by the transmission means (6) and see them on a screen. The screen, through a plurality of reception channels, is set on a particular reception frequency when it enters into the range of action of a sentinel apparatus 3. The range of action is defined by a pre-established activation distance, so that, once reached the said activation distance, the engine driver can see on the screen the images received relative to the crossing point. Likewise, once reached a second de-activation point, the reception is interrupted.

IPC 8 full level

**B61L 29/30** (2006.01); **B61L 23/04** (2006.01)

CPC (source: EP)

**B61L 23/041** (2013.01); **B61L 29/30** (2013.01)

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2011148394 A1 20111201**; EP 2576317 A1 20130410; EP 2576317 B1 20170614; ES 2638790 T3 20171024; HR P20171372 T1 20171103; HU E035991 T2 20180628; PL 2576317 T3 20171031; PT 2576317 T 20170908; SI 2576317 T1 20171030

DOCDB simple family (application)

**IT 2010000228 W 20100524**; EP 10737384 A 20100524; ES 10737384 T 20100524; HR P20171372 T 20170913; HU E10737384 A 20100524; PL 10737384 T 20100524; PT 10737384 T 20100524; SI 201031535 T 20100524