

Title (en)

METHOD FOR SECURING A LEVEL CROSSING, AND STATIONARY CONTROL DEVICE FOR A TRAIN CONTROL SYSTEM

Title (de)

VERFAHREN ZUM SICHERN EINES BAHNÜBERGANGS SOWIE STATIONÄRE STEUEREINRICHTUNG FÜR EIN ZUGBEEINFLUSSUNGSSYSTEM

Title (fr)

PROCÉDÉ DE COMMANDE D'UN PASSAGE À NIVEAU, AINSI QU'ÉQUIPEMENT DE COMMANDE FIXE POUR UN SYSTÈME DE CONTRÔLE DE LA MARCHE DES TRAINS

Publication

EP 3448737 A1 20190306 (DE)

Application

EP 17728154 A 20170601

Priority

- DE 102016211481 A 20160627
- EP 2017063262 W 20170601

Abstract (en)

[origin: WO2018001673A1] The invention relates to a method for securing a level crossing (10), which method permits timely securing of the level crossing (10) and also is particularly effective and reliable. For this purpose, according to the invention, the method proceeds in such a way that vehicle data are received from a track-bound vehicle (20) approaching the level crossing (10) by a stationary control device (30) of a train control system, which vehicle data comprise at least the current position and the current speed of the track-bound vehicle (20), a switch-on point is determined on the basis of the received vehicle data and route data comprising at least the location of the level crossing (10), and securing of the level crossing (10) is triggered when the switch-on point is reached. The invention further relates to a stationary control device (30) for a train control system and to an arrangement (100, 110) having such a stationary control device (30).

IPC 8 full level

B61L 27/00 (2006.01); **B61L 25/02** (2006.01); **B61L 29/22** (2006.01); **B61L 29/32** (2006.01)

CPC (source: EP US)

B61L 25/021 (2013.01 - EP US); **B61L 27/20** (2022.01 - EP US); **B61L 29/22** (2013.01 - EP US); **B61L 29/32** (2013.01 - EP US); **B61L 2027/202** (2022.01 - EP US)

Citation (search report)

See references of WO 2018001673A1

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)

DE 102016211481 A1 20171228; EP 3448737 A1 20190306; US 11124213 B2 20210921; US 2019144024 A1 20190516; WO 2018001673 A1 20180104

DOCDB simple family (application)

DE 102016211481 A 20160627; EP 17728154 A 20170601; EP 2017063262 W 20170601; US 201716307171 A 20170601