

Title (en)

CRASH ALARM SYSTEM FOR A RAILWAY VEHICLE

Title (de)

KOLLISIONWARNSYSTEM FÜR EIN SCHIENENFAHRZEUG

Title (fr)

SYSTÈME D'ALARME D'ACCIDENT POUR UN VÉHICULE FERROVIAIRE

Publication

**EP 3446945 A1 20190227 (EN)**

Application

**EP 17306088 A 20170822**

Priority

EP 17306088 A 20170822

Abstract (en)

A crash alarm system for a railway vehicle (6) circulating on a railway track (2) comprising a sensor module (8) placed in the front of a first railway vehicle (1) and an alarm module (10) placed inside said first railway vehicle (1), wherein the sensor module (8) is arranged to calculate a distance value (D) of the first railway vehicle (1) with respect to a detected object (4) detected on the railway track and to send this distance value (D) to a control unit (12) of the first railway vehicle (1), the control unit (12) being arranged to determine a first speed (S1) of the first railway vehicle (1) and a second speed (S2) of the detected object (4) and to send an activation signal to the alarm module (10), based on the values of said first speed (S1), second speed (S2) and distance value (D), so that the alarm module (10) activates an alarm.

IPC 8 full level

**B61L 23/00** (2006.01); **B61L 23/04** (2006.01); **B61L 23/34** (2006.01)

CPC (source: EP)

**B61L 23/00** (2013.01); **B61L 23/041** (2013.01); **B61L 23/34** (2013.01)

Citation (applicant)

- CN 203766823 U 20140813 - HARBIN RAILWAY TRANSP EQUIP CO
- LV 14384 A 20110720 - RĪGAS TEHNISKĀ UNIVERSITĀTE [LV]

Citation (search report)

- [X] US 2012296562 A1 20121122 - CARLSON RICHARD C [US], et al
- [X] US 2016311450 A1 20161027 - ROBERTS JOHN [US], et al
- [XI] WO 2016042352 A1 20160324 - ALSTOM TRANSP TECH [FR]
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- [X] WO 2015150340 A1 20151008 - BOMBARDIER TRANSP GMBH [DE]

Cited by

CN113219868A; CN115339485A; JP2020072636A

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)

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DOCDB simple family (application)

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