

Title (en)

METHOD, DEVICE AND TRACK-BOUND VEHICLE, IN PARTICULAR A RAIL VEHICLE, FOR IDENTIFYING DANGEROUS SITUATIONS IN THE TRACK-BOUND TRAFFIC SYSTEM, IN PARTICULAR IN THE RAILWAY TRAFFIC SYSTEM

Title (de)

VERFAHREN, VORRICHTUNG UND BAHNFahrZEUG, INSBESONDERE SCHIENENFAHRZEUG, ZUR GEFAHRENSITUATIONSERKENNUNG IM BAHNVERKEHR, INSBESONDERE IM SCHIENENVERKEHR

Title (fr)

PROCÉDÉ, DISPOSITIF ET VÉHICULE SUR VOIE, NOTAMMENT VÉHICULE FERROVIAIRE, POUR LA DÉTECTION D'UNE SITUATION DANGEREUSE DANS LE TRANSPORT SUR VOIE, EN PARTICULIER LE TRANSPORT FERROVIAIRE

Publication

EP 3523176 A1 20190814 (DE)

Application

EP 17840478 A 20171207

Priority

- DE 102016224358 A 20161207
- EP 2017081841 W 20171207

Abstract (en)

[origin: WO2018104460A1] In order to automatically identify dangerous situations in the track-bound traffic system (BVK) when track-bound vehicles (BFZ) are in transit on lines (BST) in the track-bound vehicle network (BNE) or dangerous situations in the railway traffic system (SVK) when rail vehicles (SFZ) are in transit on lines (SST) in the railway network (SNE), it is proposed that, on the basis of multiple images (BIGB) of a dangerous region (BG) which is known with regard to its location coordinates and through potential dangerous situations in the track-bound traffic system and is partially situated along a line in a track-bound vehicle network, in an image region (BIB) which is marked in each of the images (BIGB) and which shows, with regard to the imaged dangerous region (BG), a sub-region (TBGB) which is classified as especially critical, it is determined by means of pattern matching whether persons and/or movable objects are located in the critical sub-region (TBGB).

IPC 8 full level

B61L 15/00 (2006.01); **B61L 23/04** (2006.01)

CPC (source: EP RU)

B61L 15/00 (2013.01 - RU); **B61L 15/0072** (2013.01 - EP); **B61L 15/009** (2013.01 - EP); **B61L 23/04** (2013.01 - RU); **B61L 23/041** (2013.01 - EP)

Citation (search report)

See references of WO 2018104460A1

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)

WO 2018104460 A1 20180614; CN 110023171 A 20190716; EP 3523176 A1 20190814; RU 2019119850 A 20210111; RU 2019119850 A3 20210111; RU 2745531 C2 20210326

DOCDB simple family (application)

EP 2017081841 W 20171207; CN 201780075733 A 20171207; EP 17840478 A 20171207; RU 2019119850 A 20171207