Title (en)
RAILWAY TRAIN SAFETY MONITORING AND PROCESSING METHOD BASED ON RADIO BLOCK CENTER

Title (de)
VERFAHREN ZUR SICHERHEITSÜBERWACHUNG UND -VERARBEITUNG EINES EISENBAHNZUGES AUF BASIS EINES FUNKBLOCKZENTRUMS

Title (fr)
PROCÉDÉ DE CONTRÔLE DE SÉCURITÉ DE TRAINS ET DE TRAITEMENT BASÉ SUR CENTRE DE BLOC RADIO

Publication
EP 2746131 A4 20151007 (EN)

Application
EP 12785414 A 20120516

Priority
- CN 201110125635 A 20110516
- CN 2012075559 W 20120516

Abstract (en)
[origin: EP2746131A1] A railway train safety monitoring and processing method based on radio block center is provided, including: the radio block center RBC detects whether communication between the RBC and an Interlocking fails or not (100); when a communication failure occurs, the RBC stops sending messages to all the railway trains in the control range of the Interlocking and all railway trains whose movement authority MA extend to the control range of the Interlocking (101). The railway train safety monitoring and processing method based on radio block center eliminates the influence on train safety when communication between the RBC and a wayside device fails in a CTCS-3 train control system, and ensures safe operation of the train and operation efficiency.

IPC 8 full level
B61L 27/00 (2006.01); **B61L 15/00** (2006.01); **H04B 17/00** (2015.01)

CPC (source: EP)
B61L 15/0027 (2013.01); **B61L 27/20** (2022.01); B61L 2027/202 (2022.01); B61L 2205/02 (2013.01)

Citation (search report)
- [XI] EP 1769996 A2 20070404 - WESTINGHOUSE BRAKE & SIGNAL [GB]
- [A] EP 2253525 A1 20101124 - HUAWEI TECH CO LTD [CN]
- See references of WO 2012155836A1

Cited by
CN110588730A; CN113247056A; EP3636514A4; US10180369B2; EP3967569A1

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

DOCDB simple family (publication)
EP 2746131 A1 20140625; **EP 2746131 A4 20151007**; **EP 2746131 B1 20190220**; CN 102248958 A 20111123; CN 102248958 B 20130925; HU E044226 T2 20191028; RS 58695 B1 20190628; TR 201907039 T4 20190621; WO 2012155836 A1 20121122

DOCDB simple family (application)
EP 12785414 A 20120516; CN 201110125635 A 20110516; CN 2012075559 W 20120516; HU E12785414 A 20120516; RS P20190578 A 20120516; TR 201907039 T 20120516