

Title (en)

TRAIN LOCATING SYSTEM WITH REAL-TIME LOCATION ESTIMATION INTEGRITY CHECK

Title (de)

SYSTEM ZUR ORTUNG VON ZÜGEN MIT ECHTZEITPRÜFUNG DER INTEGRITÄT VON POSITIONSBESTIMMUNGEN

Title (fr)

SYSTÈME DE LOCALISATION DE TRAINS AVEC VÉRIFICATION EN TEMPS RÉEL DE L'INTÉGRITÉ DE L'ÉVALUATION DE POSITION

Publication

**EP 2593346 B1 20171018 (EN)**

Application

**EP 11770506 A 20110712**

Priority

- EP 10425235 A 20100712
- IB 2011001623 W 20110712
- EP 11770506 A 20110712

Abstract (en)

[origin: WO2012007822A1] The present invention regards a satellite terminal (334) that is designed to be installed on board a train (33) and is configured for receiving navigation signals from satellites belonging to one or more satellite navigation systems. Said satellite terminal (334) is characterized in that it is moreover configured for storing georeferencing data of a railway route of the train (33) and for determining, on the basis of the georeferencing data stored and of navigation signals received, a position of the train (33) along the railway route and an integrity level associated to said calculated position.

IPC 8 full level

**B61L 25/02** (2006.01)

CPC (source: EP)

**B61L 25/025** (2013.01); **B61L 25/026** (2013.01); **B61L 2205/02** (2013.01); **B61L 2205/04** (2013.01)

Cited by

CN110588730A; US2022185345A1; US11965753B2

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)

**WO 2012007822 A1 20120119**; CN 103221291 A 20130724; CN 103221291 B 20151209; EP 2593346 A1 20130522; EP 2593346 B1 20171018; ES 2651011 T3 20180123; RU 2013105692 A 20140820; RU 2584957 C2 20160520

DOCDB simple family (application)

**IB 2011001623 W 20110712**; CN 201180043860 A 20110712; EP 11770506 A 20110712; ES 11770506 T 20110712; RU 2013105692 A 20110712