

Title (en)

Method and apparatus for railway signalling

Title (de)

Verfahren und Vorrichtung zur Zugsignalisierung

Title (fr)

Méthode et dispositif par la signalisation ferroviaire

Publication

EP 1674371 A1 20060628 (DE)

Application

EP 05025608 A 20051124

Priority

DE 102004063049 A 20041222

Abstract (en)

The train signaling method involves determination of the train position by the position determination system (15) and sending to signaling unit (18), in which routing period and signaling data are deposited. The routing period and signaling data deposited in the signaling unit can be modified. An independent claim is also included for the system for implementation of the method.

IPC 8 full level

B61L 27/00 (2006.01); **B61L 25/02** (2006.01)

CPC (source: EP)

B61L 23/06 (2013.01); **B61L 25/025** (2013.01); **B61L 27/20** (2022.01); **B61L 2027/202** (2022.01); **B61L 2205/04** (2013.01)

Citation (search report)

- [DX] GENGHI A ET AL: "THE RUNE PROJECT: DESIGN AND DEMONSTRATION OF A GPS/EGNOS-BASED RAILWAY USER NAVIGATION EQUIPMENT", ION GPS/GNSS, 9 September 2003 (2003-09-09), Portland, Oregon, USA, pages 225 - 237, XP009063493
- [X] BARBU, G.: "VIRTUAL BALISE Architecture and sub-system requirement specification", GNSS LOCATION FOR THE ETCS ON-BOARD, 9 September 2002 (2002-09-09), Utrecht, Netherlands, XP007900259
- [X] BARBU, G.: "VIRTUAL BALISE Reference scenarios for implementation", GNSS LOCATION FOR THE ETCS ON-BOARD, 16 October 2002 (2002-10-16), Utrecht, Netherlands, XP007900260
- [A] BARBU, G.: "VIRTUAL BALISE Functional requirement specification", GNSS LOCATION FOR THE ETCS ON-BOARD, 9 September 2002 (2002-09-09), Utrecht, Netherlands, XP007900256
- [A] BEDRICH, S.; GRIETHE, W.; MÜNCHEBERG, S.: "Neue Systeme für hochgenaue telematische Anwendungen im Schienenverkehr", EURNAV, November 2002 (2002-11-01), Berlin, XP002374185

Cited by

CN114954573A; EP1892171A1; EP2000385A1; FR2967961A1; DE102019118767A1; FR2949412A1; EP2295306A1; CN102164800A; EA020349B1; WO2014035268A3; WO2006136783A1; WO2008034684A3; WO2008148450A1; WO2023217458A1; WO2012072902A1; US9428203B2; GB2445374A; EP1942041A3; AU2007254679B2; CN104602983A; WO2010028417A1; WO201125074A1; DE102018115373A1; EP3431362A2; DE102021134141A1; DE102021134141B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1674371 A1 20060628; EP 1674371 B1 20080702; AT E399693 T1 20080715; DE 102004063049 A1 20060713;
DE 502005004569 D1 20080814; ES 2308365 T3 20081201

DOCDB simple family (application)

EP 05025608 A 20051124; AT 05025608 T 20051124; DE 102004063049 A 20041222; DE 502005004569 T 20051124;
ES 05025608 T 20051124