

Title (en)

CHECKING THE AUTHENTICITY OF A BALISE

Title (de)

ÜBERPRÜFUNG DER AUTHENTIZITÄT EINER BALISE

Title (fr)

VÉRIFICATION DE L'AUTHENTICITÉ D'UNE BALISE

Publication

EP 3137363 B1 20191204 (DE)

Application

EP 15725327 A 20150527

Priority

- DE 102014212516 A 20140627
- EP 2015061697 W 20150527

Abstract (en)

[origin: WO2015197286A1] The invention relates to checking the authenticity of a balise. For this purpose, an identifier is provided by the balise, which is transmitted as part of the telegram from the balise to the vehicle computer of the rail vehicle. The authenticity of the balise can be verified by the vehicle computer, based on the identifier. The identifier is advantageously transmitted in the ETCS packet 44 according to UNISIG. In addition, a hash value of a cryptographic hash function can be used as an identifier. Furthermore, it is advantageous that any tampering with the telegrams provided by the balise can be detected.

IPC 8 full level

B61L 3/12 (2006.01)

CPC (source: EP)

B61L 3/121 (2013.01); **B61L 15/0027** (2013.01)

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)

DE 102014212516 A1 20151231; EP 3137363 A1 20170308; EP 3137363 B1 20191204; ES 2773437 T3 20200713; WO 2015197286 A1 20151230; ZA 201607726 B 20180425

DOCDB simple family (application)

DE 102014212516 A 20140627; EP 15725327 A 20150527; EP 2015061697 W 20150527; ES 15725327 T 20150527; ZA 201607726 A 20161109