Title (en)

MONITORING THE ELECTRICAL SIGNAL BETWEEN AN ETCS LINESIDE ELECTRICAL UNIT AND ITS TRACKSIDE BALISE IN A RAILWAY ENVIRONMENT

Title (de)

ÜBERWACHUNG DES ELEKTRISCHEN SIGNALS ZWISCHEN EINER STRECKENSEITIGEN ELEKTRISCHEN ETCS-EINHEIT UND DEREN STRECKENSEITIGEN BALISE DAFÜR IN EINER EISENBAHNUMGEBUNG

Title (fr)

SURVEILLANCE DU SIGNAL ÉLECTRIQUE ENTRE UNE UNITÉ ÉLECTRIQUE ETCS CÔTÉ LIGNE ET SA BALISE CÔTÉ VOIE DANS UN ENVIRONNEMENT DE CHEMIN DE FER

Publication

EP 4105099 A1 20221221 (EN)

Application

EP 21179687 A 20210616

Priority

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Abstract (en)

Monitoring the Electrical Signal between an ETCS Lineside Electrical Unit and its trackside balise in a railway environmentThe present invention relates the monitoring an electrical signal (10) in a cable (90) between an electric unit (91) and a balise (92) in a railway installation (9). The forward signal (11) and the reverse signal (12) of the electrical signal (10) are copied, and their copies (21, 22) are analyzed to determine a process output (55) based on the telegram signal (111) of the forward signal (11), and/or the sinusoidal signal (116) of the forward signal (11), and/or, the telegram signal (121) of the reverse signal (12), and/or the sinusoidal signal (126) of the reverse signal (12).

IPC 8 full level

B61L 3/12 (2006.01); **B61L 27/00** (2022.01)

CPC (source: EP KR)

B61L 3/12 (2013.01 - EP KR); **B61L 27/53** (2022.01 - EP KR); B61L 2027/202 (2022.01 - EP KR)

Citation (applicant)

EP 3067246 A1 20160914 - BOMBARDIER TRANSP GMBH [DE]

Citation (search report)

- [A] CN 108132433 B 20200214
- [A] DE 19708518 A1 19981001 - SIGNAL CONCEPT GMBH [DE]
- [A] EP 2186706 B1 20120418 - ALSTOM TRANSPORT SA [FR]

Designated contracting state (EPC)

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KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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