Title (en)

A DECOMMISSIONING SYSTEM FOR DECOMMISSIONING A RAILWAY TRACK SECTION, AS WELL AS INTERFACE MEANS FOR CONNECTING A DECOMMISSIONING SYSTEM TO A TRAIN SAFETY SYSTEM OF THE RAILWAY TRACK

Title (de)

SYSTEM ZUR AUSSERBETRIEBNAHME EINES GLEISABSCHNITTES SOWIE ANSCHLUSSMITTEL ZUM ANSCHLUSS EINES SOLCHEN SYSTEMS AN EIN ZUGSICHERUNGSSYSTEM DES GLEISES

Title (fr)

SYSTÈME DE MISE HORS SERVICE D'UNE SECTION DE RAIL DE CHEMIN DE FER, AINSI QUE DES MOYENS D'INTERFACE POUR LA CONNEXION D'UN TEL SYSTÈME À UN SYSTÈME DE SÉCURITÉ DE TRAIN DE LA VOIE FERRÉE

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Application

EP 15181063 A 20150814

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- NL 2013372 A 20140827
- NL 2013825 A 20141118

Abstract (en)

A decommissioning system for decommissioning a section of a railway track, as well as interface mans for connecting a decommissioning system to a train safety system of the railway track. According to the invention, there is provided a decommissioning system for decommissioning a section of a railway track, comprising decommissioning means configured to decommission the section of the railway track and close it off to trains by generating an occupancy indication, communication means configured to receive a command to decommission the section of the railway track and to deliver status information regarding a section of the railway track that has or has not been decommissioned, control means configured to control the decommissioning means to decommission the section of the railway track on the basis of said command, interface mean which can be physically connected to a train safety system of the railway track on the one side and to the decommissioning means on the other side and which are configured to activate the decommissioning of the section of the railway track within the train safety supervision level on the basis of said command by generating an occupancy indication to the train safety system. When such a decommissioning system is used, the physical limitation of control within a single signal equipment building is removed, and it becomes possible to centrally control one, or usually several, sections of a railway track that are associated with different signal equipment buildings.

IPC 8 full level

B61L 23/06 (2006.01)

CPC (source: EP)

B61L 23/06 (2013.01)

Citation (applicant)

- NL 1033077 C2 20080619 - DUAL INVENTIVE V O F [NL]
- NL 1033581 C2 20080619 - DUAL INVENTIVE V O F [NL]

Citation (search report)

- [XI] EP 1308366 A1 20030507 - CIT ALCATEL [FR]
- [XI] EP 1674370 A1 20060628 - ALSTOM BELGIUM SA [BE]
- [PA] EP 2774826 A2 20140910 - VOLKERRAIL NEDERLAND BV [NL]
- [A] US 2012176217 A1 20120712 - TAMARIBUCHI HIROYUKI [JP], et al
- [A] NL 1030622 C1 20070611 - D D IDEA V O F [NL]
- [A] FR 2951425 A1 20110422 - AIT EL HADJ MOHAMED [FR]
- [A] GB 2488854 A 20120912 - SHARING ALFRED [GB]
- [A] KAWAMI T ET AL: "The route control system for track maintenance vehicles which utilizes mobile communication challenge to safety of railway track maintenance work", 2004 IEEE 60TH VEHICULAR TECHNOLOGY CONFERENCE. VTC2004-FALL (IEEE CAT. NO.04CH37575) IEEE PISCATAWAY, NJ, USA, IEEE, vol. 7, 26 September 2004 (2004-09-26), pages 4706 - 4710, XP010790305, ISBN: 978-0-7803-8521-4, DOI: 10.1109/VETECF.2004.1404985

Cited by

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