

Title (en)

System to monitor the operational functions of moving components of a railway

Title (de)

System zur Überwachung der Betriebsfunktionen von beweglichen Komponenten eines Gleises

Title (fr)

Système pour surveiller les fonctions opérationnelles de composants mobiles d'une voie ferrée

Publication

EP 2716518 A1 20140409 (EN)

Application

EP 13187292 A 20131003

Priority

- NL 2009572 A 20121004
- NL 2010803 A 20130514

Abstract (en)

System designed to monitor the operational function of a turnout of a railway, which turnout is provided with an electric motor to turnout the turnout, which system comprises a current sensor providing a current measuring signal dependent from the motor current of the electric motor; and a processing unit designed to process the current measuring signal to monitor the operational function of the turnout. The system has a relay sensor providing a relay signal with which the system can determine the position (engaged or disengaged) of a with the turnout associated galvanic turnout relay being part of the driving or controlling of the operation of the turnout, wherein the processing unit is designed to process the relay signal; and the system is designed to monitor, with the current measuring signal and the relay signal, the relation in operational functioning between the electric motor and the said galvanic turnout relay, to determine from it the operational functioning of the turnout.

IPC 8 full level

B61L 27/00 (2006.01); **B61L 5/06** (2006.01); **B61L 7/08** (2006.01)

CPC (source: EP)

B61L 27/53 (2022.01); **B61L 5/062** (2013.01); **B61L 7/08** (2013.01); **B61L 29/08** (2013.01)

Citation (applicant)

- EP 2441643 A1 20120418 - ALSTOM TRANSPORT SA [FR]
- NL 1012336 C2 20001218 - STRUKTON RAILINFRA ELEKTROTECH [NL]
- EP 1258412 A2 20021120 - VOLKER STEVIN RAIL & TRAFFIC B [NL]

Citation (search report)

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- [A] EP 1990252 A1 20081112 - ALSTOM FERROVIARIA SPA [IT]
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- [A] STRIEBICH M: "Weichendiagnose bei der VAG Nürnberg", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 104, no. 4, 1 April 2012 (2012-04-01), pages 22 - 26, XP001573570, ISSN: 0037-4997
- [A] KÖRKEMEIER H ET AL: "Weichendiagnose Switchguard Sidis W compact", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 103, no. 4, 1 April 2011 (2011-04-01), pages 6 - 10, XP001560516, ISSN: 0037-4997

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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