

Title (en)

Method and device for testing units that influence trains with status data of track signals in relay interlocking systems

Title (de)

Verfahren und Vorrichtung zur Prüfung von Zugbeeinflussungseinheiten mit Zustandsdaten von Streckensignalen bei Relaisstellwerken

Title (fr)

Procédé et dispositif de contrôle d'unités d'influence de traction avec des données d'état de signaux de trajectoires pour des postes tout relais

Publication

EP 2193973 A3 20110112 (DE)

Application

EP 09173669 A 20091021

Priority

- EP 08021018 A 20081204
- EP 09173669 A 20091021

Abstract (en)

[origin: EP2193973A2] The method involves adjusting a test set according to a testing task, deleting an associated relay set of a track signal, and initiating the test set. A driving concept is simulated at the test set based on a test report, and consistency at a train control unit is tested. Driving concepts of a signal function are tested till safety-relevant driving concepts are tested. The test set is compared to the relay set, and a determination is made to check whether the converted relay set is in active position. The track signal is released for resuming use of the relay set in a normal operating method. An independent claim is also included for a device for testing train control units with status data of track signals in relay interlocking systems.

IPC 8 full level

B61L 19/06 (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)

B61L 19/06 (2013.01); **B61L 27/60** (2022.01)

Citation (search report)

- [X] US 7363187 B2 20080422 - WINKLER JOSEPH C [US], et al
- [A] WO 2006006758 A1 20060119 - KOREA RAILROAD RES INST [KR], et al
- [A] SCHWARZWAELDER J ET AL: "UMBAUSTRATEGIEN MIT ELEKTRONISCHEN STELLWERKEN DER BAUFORM EL L", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 88, no. 1/02, 1 January 1996 (1996-01-01), pages 17 - 20, XP000723334, ISSN: 0037-4997
- [A] VINOD CHANDRA ET AL: "A FAIL-SAFE INTERLOCKING SYSTEM FOR RAILWAYS", IEEE DESIGN & TEST OF COMPUTERS, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 8, no. 1, 1 March 1991 (1991-03-01), pages 58 - 66, XP000202261, ISSN: 0740-7475

Cited by

CN105549576A; CN109774744A; CN102495628A; CN112198815A; WO2013026759A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2193973 A2 20100609; EP 2193973 A3 20110112; EP 2193973 B1 20130130

DOCDB simple family (application)

EP 09173669 A 20091021