

Title (en)

Electronic element control that is safe for signalling for carrying out drive operations for rail vehicles

Title (de)

Signaltechnisch sichere elektronische Elementansteuerung zum Durchführen eines Fahrbetriebes von Schienenfahrzeugen

Title (fr)

Commande d'élément de signal électronique et sûre destinée à l'exécution d'une marche de véhicules sur rail

Publication

EP 2036800 A3 20090930 (DE)

Application

EP 08011454 A 20080624

Priority

DE 102007043053 A 20070911

Abstract (en)

[origin: EP2036800A2] The method involves providing a signal-technical safe operation and observation level (1), a safety level (2) and a process level (4) containing elements to be controlled, and providing a data communication device between the elements of the levels. Safety-oriented examinations and algorithms are provided for ensuring a process safety by a safe computer system (3) of the safety level, where the computer system and/or other components of the operation and observation level and the process level are satisfied for smaller safety requirements. An independent claim is also included for a device for signal-technically safe electronic element control for execution of a drive operation of rail vehicles.

IPC 8 full level

B61L 21/04 (2006.01)

CPC (source: EP)

B61L 21/04 (2013.01)

Citation (search report)

- [XA] EP 1702827 A1 20060920 - SIEMENS AG [DE]
- [A] EP 0473834 A1 19920311 - SIEMENS AG [DE]
- [XA] WEHNER L: "DAS ESTW DER BAUFORM SEL", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 76, no. 5, 1 May 1984 (1984-05-01), pages 83 - 88, XP009068645, ISSN: 0037-4997
- [A] WEHNER L: "DAS ESTW DER BAUFORM SIEMENS", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 76, no. 12, 1 December 1984 (1984-12-01), pages 215 - 218, XP009068646, ISSN: 0037-4997
- [A] ANTWEILER B: "VERNETZTE LEITTECHNIK FUER SICHERHEITSKRITISCHE ANWENDUNGEN AM BEISPIEL SCHWEIZ", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 99, no. 3, 1 March 2007 (2007-03-01), pages 19 - 24, XP001504568, ISSN: 0037-4997

Cited by

CN118170126A; WO2014001235A3

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2036800 A2 20090318; EP 2036800 A3 20090930; DE 102007043053 A1 20090312; DE 102007043053 B4 20200730

DOCDB simple family (application)

EP 08011454 A 20080624; DE 102007043053 A 20070911