

Title (en)

Apparatus for controlling and regulating electric, electronic or electro-mechanic components in railway vehicles

Title (de)

Vorrichtung zum Steuern und Regeln elektrischer, elektronischer oder elektromechanischer Komponenten in Schienenfahrzeugen

Title (fr)

Dispositif pour commander et régler des composants électriques, électroniques ou électro-mécaniques dans des véhicules ferroviaires

Publication

EP 0631921 B1 20011024 (DE)

Application

EP 94890112 A 19940629

Priority

AT 127993 A 19930630

Abstract (en)

[origin: EP0631921A2] Apparatus for controlling and regulating electric, electronic or electromechanical components in rail vehicles, a substation (3a, 3b, 3c) which contains a microcomputer (4a, 4b, 4c) and is connected to a central control unit (7) via at least one transmission path (6) being assigned to each interchangeable component (2a, 2b, 2c) the said central control unit (7) containing at least one microcomputer (10) and a non-volatile fault memory (11) and being designed, in the case of anomalous operating behaviour of the components (2a, 2b, 2c) to form fault reports with a fault code by processing data arriving from the substations (3a, 3b, 3c) and to store the said fault reports which are formed in it and relate to the individual components not only in its fault memory (11) but also to transmit such fault reports to the respective component (2a, 2b, 2c) whose substation (3a, 3b, 3c) itself is designed to receive the fault report and to store it in a non-volatile fault memory (13a, 13b, 13c) which is a physical part of the substation and thus of the component. <IMAGE>

IPC 1-7

B61L 15/00; **G08C 25/00**

IPC 8 full level

B61L 15/00 (2006.01); **G08C 25/00** (2006.01)

CPC (source: EP)

B61L 15/0036 (2013.01); **B61L 15/0081** (2013.01); **G08C 25/00** (2013.01)

Cited by

EP3296139A1; US2008034260A1; US8594881B2; US2007288137A1; GB2286903B; US5859778A; US8452485B2; GB2409904A; GB2409904B; EP1233898A4; EP3378724A1; WO2004024531A1

Designated contracting state (EPC)

AT BE DE ES

DOCDB simple family (publication)

EP 0631921 A2 19950104; **EP 0631921 A3 19970709**; **EP 0631921 B1 20011024**; AT 400944 B 19960425; AT A127993 A 19950915; AT E207431 T1 20011115; DE 59409918 D1 20011129; ES 2166369 T3 20020416

DOCDB simple family (application)

EP 94890112 A 19940629; AT 127993 A 19930630; AT 94890112 T 19940629; DE 59409918 T 19940629; ES 94890112 T 19940629