

Title (en)

RAILWAY SIGNALLING SYSTEM, METHOD AND INTERLOCKING

Title (de)

EISENBAHNSIGNALISIERUNGSSYSTEM, -METHODE UND STELLWERK

Title (fr)

SYSTEME DE SIGNALISATION FERROVIAIRE, METHODE ET POSTE D'AGUILLAGE

Publication

EP 1750988 B1 20081217 (EN)

Application

EP 05744829 A 20050517

Priority

- GB 2005001882 W 20050517
- GB 0411277 A 20040520

Abstract (en)

[origin: GB2414327A] An interlocking for a railway comprises a plurality of integrated circuit processor units which perform the logic operations associated with specific line side equipment. A first interface (24) is provided for communication with a central control and a second interface for communication with the equipment (36). The second interface may comprise an input/output interface to/from the trackside equipment. The trackside equipment may include signals, track circuits, crossovers and points. The interlocking may also comprise an interface allowing the control system to communicate with one or more buses (22) within the interlocking, the buses also being in communication with the processor units. Preferably the buses are arranged as duplicated first and second buses for safety data with a third bus for non safety data. The interlocking may also comprise first and second processing units performing duplicated processing operations. A configuration processor may also be provided in order to configure each processor unit. The configuration processor may be located with the processing units in a rack, the units being configured according to their position in the rack.

IPC 8 full level

B61L 19/06 (2006.01)

CPC (source: EP GB)

B61L 19/06 (2013.01 - EP GB); **B61L 27/37** (2022.01 - EP)

Cited by

AU2010203037B2; CN111547112A; EP3549842A1; EP3312073A1; EP3549842B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005113315 A1 20051201; AT E417773 T1 20090115; AU 2005245171 A1 20051201; AU 2005245171 B2 20100304; DE 602005011794 D1 20090129; EP 1750988 A1 20070214; EP 1750988 B1 20081217; GB 0411277 D0 20040623; GB 0510060 D0 20050622; GB 2414327 A 20051123; GB 2414327 B 20060927

DOCDB simple family (application)

GB 2005001882 W 20050517; AT 05744829 T 20050517; AU 2005245171 A 20050517; DE 602005011794 T 20050517; EP 05744829 A 20050517; GB 0411277 A 20040520; GB 0510060 A 20050517