

Title (en)

Field vital output device and system for directly interfacing a control logic unit with at least one or more wayside units

Title (de)

Ausgabegerät und System zur Verbindung einer Steuerungslogik-Einheit mit einer oder mehreren streckenseitigen Einheiten

Title (fr)

Dispositif de terrain de sortie vitale et système pour une interface directe entre une unité logique de commande et au moins une ou plusieurs unités en bordure de voie

Publication

EP 1953063 B1 20081231 (EN)

Application

EP 07425064 A 20070205

Priority

EP 07425064 A 20070205

Abstract (en)

[origin: EP1953063A1] A field vital output device for directly interfacing a central control logic unit with at least one or more wayside units, such as relays, contacts, lamps and the like, which device comprises: at least one input for the control signals generated by the control logic unit; at least one output port for a wayside unit actuating signal, which port is and/or may be connected to said wayside unit; means for enabling/disabling said output port to transmit the wayside unit actuating signal; means for generating the wayside unit actuating output signal, which are connected to said output port; which control signals control the means for enabling/disabling the output port of the output device to allow/prevent transmission of the wayside unit actuating signal. The device further comprises: a switching element which sets the wayside actuating signal transmission enabled/disabled state of the port; electronics for detecting such state from the control imposed by the control logic unit, said output signal generating means being designed to be vitally disabled when the enabled/disabled state of said port does not correspond to the control condition imposed by the control logic.

IPC 8 full level

B61L 7/08 (2006.01)

CPC (source: EP)

B61L 7/08 (2013.01)

Cited by

NL2011826A; CN115195814A; CN107942646A; FR3012100A1; IT201900009879A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1953063 A1 20080806; EP 1953063 B1 20081231; AT E419160 T1 20090115; DE 602007000438 D1 20090212; ES 2320711 T3 20090527

DOCDB simple family (application)

EP 07425064 A 20070205; AT 07425064 T 20070205; DE 602007000438 T 20070205; ES 07425064 T 20070205