Title (en)
CONTROL SYSTEM FOR A RAILWAY CROSSING

Title (de)
STEUERUNGSSYSTEM FÜR EINEN BAHNÜBERGANG

Title (fr)
SYSTÈME DE COMMANDE POUR UN PASSAGE À NIVEAU

Publication
EP 3428037 A1 20190116 (EN)

Application
EP 18182560 A 20180710

Priority
NL 2019206 A 20170710

Abstract (en)
Control system for a railway crossing having signal inputs (S) and signal outputs (AC), and processing logic (P). The processing logic includes a channel A part (PA) and a channel B part (PB) for each railway crossing logic function (such as controlling white and red lights). Each of the channel A part (PA) and the channel B part (PB) has an AND logic gate (AA; AB) receiving a direct signal (DI-A; DI-B) and a cross check signal (DI-AtoB; DI-BtoA) and outputting an internal data signal (DII). The cross check signal (DI-AtoB; DI-BtoA) is provided by a first data exchange channel (SE-A) between the channel A part (PA) and the channel B part (PB). The processing logic is implemented to provide the control system with a sufficient high availability and reliability depending on the requirements of the specific railway crossing logic function.

IPC 8 full level
B61L 29/24 (2006.01); G06F 11/16 (2006.01)

CPC (source: EP)
B61L 29/24 (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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