

Title (en)

SMART OBJECT CONTROLLER FOR RAILWAY TRACKS

Title (de)

STEUERGERÄT FÜR EININTELLIGENTES OBJEKT FÜR EISENBAHNSCHIENEN

Title (fr)

LEUR D'OBJET INTELLIGENT POUR VOIES FERR&#201

Publication

**EP 4101727 A1 20221214 (EN)**

Application

**EP 21305801 A 20210611**

Priority

EP 21305801 A 20210611

Abstract (en)

A Smart Object Controller for mounting along a railway track comprising:- a cybersecurity management module (10) arranged to receive and transmit, from or to a remote station (108), route control data representing a configuration of the railway track, and to decrypt or encrypt said route control data into safety data;- a safety data processing module (12) arranged to receive and transmit, from or to the cybersecurity management module (10), said safety data and to convert the safety data into boolean variables and vice versa;-a boolean equation module (14) arranged to receive, from the safety data processing module (12), the boolean variables, and to execute boolean equations based on said boolean variables, thus obtaining command data to be sent to trackside equipment (4) of the railway track to get said configuration.

IPC 8 full level

**B61L 7/08** (2006.01); **B61L 19/06** (2006.01)

CPC (source: EP)

**B61L 7/088** (2013.01); **B61L 19/06** (2013.01)

Citation (search report)

- [IY] WO 2019220424 A1 20191121 - CYLUS CYBER SECURITY LTD [IL]
- [A] EP 3553682 A1 20191016 - KAFZAN SHAKED [IL], et al
- [YA] WO 2015160603 A1 20151022 - SIEMENS INDUSTRY INC [US]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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