Title (en)
SYSTEM AND METHOD FOR TRAFFIC MANAGEMENT OF RAILWAY NETWORKS

Title (de)
SYSTEM UND VERFAHREN ZUM VERKEHRSMANAGEMENT VON EISENBAHNNETZEN

Title (fr)
SYSTÈME ET PROCÉDÉ DE GESTION DE TRAFIC DE RÉSEAUX DE CHEMIN DE FER

Publication
EP 3696048 A1 20200819 (EN)

Application
EP 19157570 A 20190215

Priority
EP 19157570 A 20190215

Abstract (en)
A traffic management system (100) for a railway network (200), comprising a communication interface (1) in operative communication with field devices (201) of the railway network (200), a storage device (5), a human machine interface (10) for interfacing with one or more operators, and a system (20) for monitoring and controlling the railway network (200).The monitoring and controlling system (20) is configured to generate one or more batches of command instructions suitable to be issued for execution the field devices (201).The system further comprises an elaboration device (30) configured, upon generation by the monitoring and controlling system of a batch of command instructions, to carry out a safety procedure for evaluating a response of the railway network in relation to the generated batch of command instructions, and to output to the human machine interface (10), for the one or more operators, information indicative of the results of the safety procedure carried out.There is also provided a related method for traffic management of a railway network.

IPC 8 full level
B61L 27/00 (2006.01)

CPC (source: EP)
B61L 27/20 (2022.01)

Citation (applicant)
- US 2015213080 A1 20150730 - WILSON M FRANK [US], et al
- EP 2735492 A2 20140528 - HITACHI LTD [JP]

Citation (search report)
- [IA] US 6135396 A 20001024 - WHITFIELD RUSSELL U [US], et al
- [IA] US 2009184210 A1 20090723 - GROVES JR ROBERT B [US], et al

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)
EP 3696048 A1 20200819; **EP 3696048 B1 20210623**; AU 2020200952 A1 20200903; DK 3696048 T3 20210816

DOCDB simple family (application)
EP 19157570 A 20190215; AU 2020200952 A 20200210; DK 19157570 T 20190215