

Title (en)
TRAIN TRAFFIC CONTROL SYSTEM AND METHOD FOR CARRYING OUT SAFETY CRITICAL OPERATIONS WITHIN A TRAIN TRAFFIC CONTROL SYSTEM

Title (de)
ZUGVERKEHRSSTEUERUNGSSYSTEM UND VERFAHREN ZUM DURCHFÜHREN VON SICHERHEITSKRITISCHEN BAHNBETRIEBSPROZESSEN IN EINEM ZUGVERKEHRSSTEUERUNGSSYSTEM

Title (fr)
SYSTÈME DE COMMANDE DE TRAFIC FERROVIAIRE ET PROCÉDÉ POUR EFFECTUER DES OPÉRATIONS CRITIQUES DE SÉCURITÉ DANS UN SYSTÈME DE COMMANDE DE TRAFIC FERROVIAIRE

Publication
EP 3549841 B1 20220601 (EN)

Application
EP 18166202 A 20180406

Priority
EP 18166202 A 20180406

Abstract (en)
[origin: EP3549841A1] A train traffic control system comprising a traffic management system (TMS) for executing safety critical operations, a route and train control system (RTCS), and a command and status adapter (COST), wherein the train traffic control system is adapted to exchange information and commands between the traffic management system (TMS) and the route and train control system (RTCS), wherein the command and status adapter (COST) comprises software components for carrying out functions with basic integrity, wherein the traffic control system further comprises a software component for carrying out a function for controlling safety critical operations, is characterized in that the function for controlling safety critical operations is outsourced from the command and status adapter (COST). The inventive train traffic control system on the one hand realizes a high safety level and on the other hand allows considerable cost reduction.

IPC 8 full level
B61L 19/06 (2006.01); **B61L 21/06** (2006.01); **B61L 27/00** (2022.01)

CPC (source: EP)
B61L 19/06 (2013.01); **B61L 21/06** (2013.01); **B61L 27/30** (2022.01); **B61L 2019/065** (2013.01)

Citation (examination)
DE 102012221714 A1 20140528 - SIEMENS AG [DE]

Cited by
CN110888151A

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DOCDB simple family (publication)
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