

Title (en)
TRAIN TRAFFIC CONTROL SYSTEM AND METHOD FOR SAFE DISPLAYING A STATE INDICATION OF A ROUTE AND TRAIN CONTROL SYSTEM

Title (de)
ZUGVERKEHRSLEITSYSTEM UND VERFAHREN ZUR SICHEREN ANZEIGE EINER ZUSTANDSANZEIGE EINER STRECKE UND ZUGVERKEHRSLEITSYSTEM

Title (fr)
SYSTÈME DE CONTRÔLE DU TRAFIC FERROVIAIRE ET PROCÉDÉ DE SÉCURISATION DE L'AFFICHAGE D'UNE INDICATION D'ÉTAT D'UNE ROUTE ET SYSTÈME DE COMMANDE DE TRAIN

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Application
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Abstract (en)
The inventive train traffic control system comprises a route and train control system (RTCS), an operator workstation (OW) with a display (D), wherein the operator workstation (OW) comprises at least one basic integrity indication component (BIC) with safety level SIL0 for indicating information with a basic integrity on the display (D), and a safe state indication component (SSC) with safety level SIL>0, in particular SIL4, for indicating safety-related information concerning the state of elements of the route and train control system (RTCS) on the display of the operator workstation (OW), wherein the safe state indication component (SSC) is functionally independent of the operator workstation (OW), and a safe channel (C) connecting the safe state indication component (SSC) and the display (D) for safe transmission of safety-related information about the state of elements of the route train control system (RTCS). The inventive train traffic control system realizes the required high safety level for safe state indication and allows considerable cost reduction and flexibility.

IPC 8 full level
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Citation (applicant)
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