Title (en)
TRAIN CONTROL DMI DATA REDUNDANCY CONTROL METHOD AND SYSTEM

Title (de)
VERFAHREN UND SYSTEM ZUR STEUERUNG DER DMI-DATENREDUNDANZ EINER ZUGSTEUERUNG

Title (fr)
PROCÉDÉ ET SYSTÈME DE COMMANDE DE REDONDANCE DE DONNÉES DMI DE COMMANDE DE TRAIN

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Application
EP 20785892 A 20200811

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Abstract (en)
[origin: EP3828055A1] The present invention proposes a train control DMI data redundancy control method and system; the DMI simultaneously receives and processes two sets of data in a mutual primary-standby relationship, the DMI judges the primary-standby relationship based on a parsing result of the data, and the DMI displays primary system data; the system comprises two main control units, configured to respectively send data to the DMI, the two sets of data being in a mutual primary-standby relationship; and the DMI, configured to simultaneously receive and process the two sets of data in a mutual primary-standby relationship, judge the primary-standby relationship based on a parsing result of the data, and display primary system data; the DMI simultaneously receives the data sent by the two main control units, and respectively uses the two main control units as a primary system and a standby system according to two primary-standby system identifiers; when the primary system is abnormal, the two primary-standby system identifiers change, and the driver machine interface switches the primary system and the standby system after identifying change of the two primary-standby system identifiers, without affecting content displayed by the DMI, and without configuring a switching module, which has a simple structure and high switching efficiency.

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