

Title (en)

CENTRALIZED TRAIN DISPATCH CONTROL SYSTEM AND CONTROL METHOD

Title (de)

ZENTRALISIERTES ZUGABFAHRTSTEUERUNGSSYSTEM UND STEUERUNGSVERFAHREN

Title (fr)

SYSTÈME CENTRALISÉ DE COMMANDE DE RÉGULATION DES TRAINS ET PROCÉDÉ DE COMMANDE

Publication

EP 3763598 A4 20210428 (EN)

Application

EP 19810213 A 20190529

Priority

- CN 201810551289 A 20180531
- CN 2019088985 W 20190529

Abstract (en)

[origin: EP3763598A1] Provided are a centralized train dispatch control system and a control method thereof. The system comprises: a railway terminal for controlling a traffic operation; an electricity maintenance terminal for providing control of station electricity maintenance; and a railway management terminal for providing management control of station information data. The railway terminal, the electricity maintenance terminal, and the railway management terminal of the present disclosure are designed, according to a station control function, to perform distributed operations, so as to improve execution efficiency. A special signaling format has also been designed to control mode switching between the railway terminal and a dispatch center, thereby improving efficiency and accuracy when switching control modes.

IPC 8 full level

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CPC (source: CN EP)

B61L 27/00 (2013.01 - CN); **B61L 27/04** (2013.01 - CN); **B61L 27/10** (2022.01 - EP); **B61L 27/30** (2022.01 - EP); **B61L 21/08** (2013.01 - EP); **B61L 27/53** (2022.01 - EP)

Citation (search report)

- [X1] CN 105278379 A 20160127 - SIGNAL & COMM RES INST CHINA ACADEMY RAILWAY SCIEN, et al
- [XA] CN 108032876 A 20180515 - BEIJING NAT RAILWAY RES & DESIGN INST SIGNAL & COMMUNICATION LTD
- [A] DE 102016215243 A1 20180222 - SIEMENS AG [DE]
- [A] CN 105882692 A 20160824 - CASCO SIGNAL LTD
- See references of WO 2019228394A1

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

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