

Title (en)  
Train control method, device and system

Title (de)  
Zugsteuerungsverfahren, -vorrichtung und -system

Title (fr)  
Procédé de contrôle de train, dispositif et système

Publication  
**EP 2253525 A1 20101124 (EN)**

Application  
**EP 10159207 A 20100407**

Priority  
CN 200910107352 A 20090518

Abstract (en)  
A train control method is disclosed. The method includes: backing up train control data of a radio block centre (RBC) and obtaining backup data, where the train control data is used for controlling the train managed by the RBC; obtaining the alternative control information of the trains and controlling the trains by using the backup data. An RBC, an on-board device and a train control system are also provided. When the trains managed by the RBC need alternative control, the RBC may be replaced to control the trains, which guarantees that the trains run normally under control and improves the safety of the trains.

IPC 8 full level  
**B61L 27/00** (2006.01)

CPC (source: EP)  
**B61L 27/33** (2022.01)

Citation (search report)

- [XAY] DE 102007041177 A1 20090305 - SIEMENS AG [DE]
- [A] EP 1510430 A1 20050302 - DB NETZ AG [DE]
- [A] EP 1370054 A1 20031210 - SIEMENS AG [DE]
- [Y] ALCATEL ET AL: "SYSTEM REQUIREMENTS SPECIFICATION CHAPTER 3 PRINCIPLES (ERTMS/ETCS - Class 1, ref.: SUBSET-026-3; issue 2.2.2)", UNISIG SRS, XX, XX, vol. chapter 3, no. 2.2.2, 2 February 2001 (2001-02-02), pages 1 - 97, XP009069628 & "SYSTEM REQUIREMENTS SPECIFICATION. CHAPTER 2. BASIC SYSTEM DESCRIPTION", UNISIG SRS, XX, XX, vol. 2, 1 February 2002 (2002-02-01), pages 1 - 24, XP009069604

Cited by  
CN112061180A; EP4023527A1; CN108616518A; CN102332969A; IT201900012900A1; EP2746131A4; EP2752353A4; RU2636993C2; DE102017217447A1; EP3473526A1; EP3828055A4; US10046780B2; US11318971B2; US9720481B2; EP3281838A1; EP3378724A1; CN109715472A; WO2018028864A1; WO2014040892A3; WO2021014260A1; WO2014040898A3

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA ME RS

DOCDB simple family (publication)  
**EP 2253525 A1 20101124; EP 2253525 B1 20130918**; CN 101890971 A 20101124; CN 101890971 B 20130123; ES 2437671 T3 20140113

DOCDB simple family (application)  
**EP 10159207 A 20100407**; CN 200910107352 A 20090518; ES 10159207 T 20100407