

Title (en)

System for communication with trains on railway lines

Title (de)

System zur Kommunikation mit Zügen auf Eisenbahnstrecken

Title (fr)

Système de communication avec les trains sur les lignes ferroviaires

Publication

EP 2390158 B1 20130417 (EN)

Application

EP 11171102 A 20080214

Priority

- EP 11171102 A 20080214
- EP 08425091 A 20080214

Abstract (en)

[origin: EP2390158A2] A system for detection of trains and digital communication with trains on a railway line with at least one track, which track is divided into a plurality of successive track segments, known as track blocks, and means for generating signals for detection of or communication with the train being provided for each of said track segments and receiving means allowing the track block to receive said detection and communication signals generated by a train by active signal generation or change of the detection and communication signals transmitted to the track block as well as means for processing the detection signals or the communication signals received from the track block to determine the operating or working conditions of the train and/or the track block based on the changes found in the received signals with respect to the transmitted signals and/or on the information contained in the communication signals transmitted by the train and means for generating signals indicative of the operating or working conditions of the train and/or the track block and for transmitting said status signals to a central railway network control unit, known as central Interlocking System, which is connected to said detection and communication unit and receives signals therefrom, indicative of the conditions of the train and/or the track block, and transmits control signals for detection of and communication with the train.

IPC 8 full level

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CPC (source: EP)

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Cited by

RU190766U1; RU190672U1; RU190673U1; RU192635U1; CN107521527A; RU190670U1; CN112236349A; US9499185B2

Designated contracting state (EPC)

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