

Title (en)
Signalling system for a railway network and method for the full supervision of a train realised by such a signalling system

Title (de)
SIGNALISIERUNGSSYSTEM FÜR EIN SCHIENENNETZ UND VERFAHREN FÜR DIE VOLLSTÄNDIGE ÜBERWACHUNG EINES ZUGES, DIE DURCH SOLCH EIN SIGNALISIERUNGSSYSTEM REALISIERT WIRD

Title (fr)
SYSTÈME DE SIGNALISATION POUR UN RÉSEAU FERROVIAIRE ET PROCÉDÉ POUR L'ENTIÈRE SUPERVISION D'UN TRAIN RÉALISÉ PAR UN TEL SYSTÈME DE SIGNALISATION

Publication
EP 3061666 A1 20160831 (EN)

Application
EP 15305284 A 20150224

Priority
EP 15305284 A 20150224

Abstract (en)
This signalling system comprises a Radio Block Centre, RBC, and a European Vital Computer, EVC, in each train circulating on a railway network, each EVC being able to send position reports to the RBC and receive Movement Authority MA from the RBC. This signalling system has fixed sections and a Dynamic Sub-Sectioning, DSS, in which: the system is capable of creating a route (L3 route) for a following train (1) comprising a section (A2-B1) which is currently occupied by a leading train (2), said leading train being equipped with an EVC capable of providing, in the position reports sent, a data relative to the integrity of the leading train, and the system is capable of managing the separation distance between the leading train and the following train on said section, by calculating the distance between the rear of the leading train (2) and a stop point of the current MA, and, when said distance is greater than an elementary distance, by extending the MA.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

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- [A] I H MITCHELL: "Signalling Control Centres Today and Tomorrow", IRSE (INSTITUTE OF RAILWAY SIGNAL ENGINEERS) PROCEEDINGS 2002/2003, 15 January 2003 (2003-01-15), pages 49 - 62, XP055125705

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