Title (en)

Method for integrating level crossings in automatic rail vehicle control and protection

Title (de)

Verfahren zur Einbindung von Bahnübergängen in die automatische Steuerung und Sicherung von Schienenfahrzeugen

Title (fr)

Méthode pour intégrer des passages à niveau dans la commande et protection automatique de véhicules ferroviaires

Publication

EP 0761523 A3 19990714 (DE)

Application

EP 96112265 A 19960730

Priority

DE 19529374 A 19950810

Abstract (en)

[origin: EP0761523A2] The method has the railway level crossing inserted in the track list for the train automatic safety control as a selectively lifted halt point. The level crossing logic (BUL) has a radio transceiver for communication with each approaching train (Z1,Z2), the halt point lifted when the crossing closure request signal is received by the level crossing logic and a corresponding level crossing closure indication is received by the train. The closure request signal is transmitted from the train at a point ahead of the calculated braking path dependent on the detected train velocity, with the braking command lifted upon reception of the crossing closure indication.

IPC 1-7

B61L 29/00

IPC 8 full level

B61L 29/00 (2006.01); **B61L 29/22** (2006.01)

CPC (source: EP)

B61L 29/22 (2013.01)

Citation (search report)
- [Y] EP 0433768 A2 19910626 - GEN SIGNAL CORP [US]
- [Y] DE 3840288 A1 19900531 - FREDERICH FRITZ PROF DR ING [DE]

Cited by

EP1591335A1; EP1022208A3; US7164892B2; US6179252B1; WO2005105538A1; WO0003906A1

Designated contracting state (EPC)

CH DE DK ES IT LI PT

DOCDB simple family (publication)

DE 19529374 A1 19970213; DE 59610451 D1 20030626; EP 0761523 A2 19970312; EP 0761523 A3 19990714; EP 0761523 B1 20030521; ES 2194942 T3 20031201; ZA 966724 B 19970217

DOCDB simple family (application)

DE 19529374 A 19950810; DE 59610451 T 19960730; EP 96112265 A 19960730; ES 96112265 T 19960730; ZA 966724 A 19960807