

Title (en)

Protection system for a secure level crossing

Title (de)

Sicherungsanlage zur Bereitstellung eines gesicherten Bahnübergangs

Title (fr)

Système de sécurité pour un passage à niveau protégé

Publication

EP 1731397 A1 20061213 (DE)

Application

EP 05012148 A 20050606

Priority

EP 05012148 A 20050606

Abstract (en)

The system has a set of rail contacts disintegrated from a train route, and a control unit (SE) for detecting signals of the contacts, where the control unit controls a set of optical and/or acoustic warning units corresponding to the signals. A communication unit (lgsm) is attached to the control unit for wireless communication between the control unit and a technical routing unit, and a power supply unit supplies electric power to the control and communication units.

IPC 8 full level

B61L 29/22 (2006.01); **B61L 29/30** (2006.01)

CPC (source: EP)

B61L 29/224 (2013.01); **B61L 29/30** (2013.01); **B61L 2205/02** (2013.01); **B61L 2207/02** (2013.01)

Citation (search report)

- [XY] WO 02091013 A2 20021114 - C3 TRANS SYSTEMS LLC [US], et al
- [X] WO 0191083 A1 20011129 - EVA SIGNAL CORP [US]
- [Y] US 6241197 B1 20010605 - HARLAND SYDNEY A [CA]
- [A] US 5729213 A 19980317 - FERRARI JOHN S [US], et al
- [A] DE 767197 C 19520228 - PINTSCH JULIUS KG

Cited by

CN102123470A; CN112572551A; DE102009040713A1; DE102009040713A8; FR2947232A1; US2011133038A1; US8469319B2; US8996209B2; WO2008138342A1; WO2009100292A1; WO2012152748A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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