

Title (en)

METHOD AND DEVICE FOR WARNING PERSONS IN THE TRACK AREA VIA A HIGH FREQUENCY COMMUNICATIONS CHANNEL

Publication

**EP 0443438 A3 19920610 (DE)**

Application

**EP 91102081 A 19910214**

Priority

DE 4005354 A 19900221

Abstract (en)

[origin: EP0443438A2] The warning of persons in the track area of approaching trains by means of addressable signalling stations installed at the track which detect trains and which forward train-indicating status information via a high-frequency communications channel to an addressable warning station which is located in the working area of the persons and which is capable of transmitting an alarm is achieved despite concatenated information transmission and contact with adjacent installations by means of stations operating in time-division multiplex which identify free transmission time slots through direct reception and time slots indirectly reported by other stations as occupied.

IPC 1-7

**B61L 23/06**

IPC 8 full level

**B61L 23/06** (2006.01)

CPC (source: EP)

**B61L 23/06** (2013.01)

Citation (search report)

- [A] BE 894853 A 19830214 - THEIMEG ELEKTRONIKGERATE G M B
- [A] DE 2211313 A1 19730913 - BOSCH ELEKTRONIK GMBH [DE]
- [AD] EISENBAHNINGENIEUR Bd. 38, Nr. 2, 1987, DE Seiten 51 - 56; L. LENGEMANN ET AL: 'Die individualwarnanlage IWA'
- [AD] SIGNAL + DRAHT. Bd. 79, Nr. 1/2, 1987, DARMSTADT DE Seiten 36 - 39; L. LENGEMANN ET AL: 'Automatische Rottenwarnsysteme von der kollektiven zur individuellen Warnanlage'

Designated contracting state (EPC)

AT BE CH DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

**EP 0443438 A2 19910828; EP 0443438 A3 19920610; EP 0443438 B1 19950104;** AT E116611 T1 19950115; DE 4005354 A1 19910822; DE 4005354 C2 19920109; ES 2067778 T3 19950401

DOCDB simple family (application)

**EP 91102081 A 19910214;** AT 91102081 T 19910214; DE 4005354 A 19900221; ES 91102081 T 19910214