

Title (en)  
TRACK CIRCUIT SYSTEM

Title (de)  
BAHNSCHALTUNGSSYSTEM

Title (fr)  
SYSTEME DE CIRCUIT DE VOIE

Publication  
**EP 0513129 B1 19960918 (EN)**

Application  
**EP 91903576 A 19901221**

Priority  
• SE 9000865 W 19901221  
• SE 9000259 A 19900125

Abstract (en)  
[origin: WO9111356A1] A track circuit system combined with an automatic control system for rail-mounted vehicles, in which the transmission of information to and the detection of rail-mounted vehicles in the system take place by the exchange of digital messages in the form of telegrams. The telegrams have contents with safety information with, above all, information about track circuit identity but may also have general contents. Separate electronic units (E1, E2) generate two telegrams with the same information contents. These telegrams are compared prior to transmission to a track circuit (2), in which a receiver (B) picks up the telegram. Transmitted and received telegrams are compared for achieving fail-safety. Level indication of the received signal gives information as to whether the track circuit is occupied. An output signal (4) from the system is used as a fail-safe signal for feeding to a traffic control system.

IPC 1-7  
**B61L 1/18**; **B61L 25/02**; **B61L 3/24**

IPC 8 full level  
**B61L 1/18** (2006.01); **B61L 3/24** (2006.01)

CPC (source: EP)  
**B61L 1/188** (2013.01); **B61L 3/246** (2013.01)

Cited by  
US11460288B2; EP3495230A1; CN113184011A; AU2018379331B2; WO2019110673A1

Designated contracting state (EPC)  
BE DE DK ES FR GB IT NL

DOCDB simple family (publication)  
**WO 9111356 A1 19910808**; DE 69028638 D1 19961024; DE 69028638 T2 19970507; DK 0513129 T3 19970317; EP 0513129 A1 19921119; EP 0513129 B1 19960918; ES 2094220 T3 19970116; SE 465458 B 19910916; SE 9000259 D0 19900125; SE 9000259 L 19910726

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