

Title (en)

Method for representing the state of the track and /or of the mechanical operating characteristics of rail vehicles

Title (de)

Verfahren zur Abbildung des Geleisezustandes und/oder des mechanischen Betriebsverhaltens von Schienenfahrzeugen

Title (fr)

Procédé pour représenter l'état de la voie et/ou les caractéristiques de fonctionnement mécaniques de véhicules sur rails

Publication

**EP 1213202 B2 20090218 (DE)**

Application

**EP 00126831 A 20001207**

Priority

EP 00126831 A 20001207

Abstract (en)

[origin: EP1213202A1] The method of displaying running conditions of a railway vehicle (21) uses sensors (10) on the individual wagons. The sensors are connected to a display (30) and use the train composition and operating parameters to generate a signal to the display. The sensors are connected to a remote radio or optical information transmission (17) to the display to give an actual display of the running conditions.

IPC 8 full level

**B61L 23/04** (2006.01); **B61K 9/08** (2006.01); **E01B 35/06** (2006.01)

CPC (source: EP)

**B61K 9/08** (2013.01); **B61L 15/0081** (2013.01); **B61L 23/044** (2013.01); **B61L 23/045** (2013.01); **B61L 2205/04** (2013.01)

Citation (opposition)

Opponent :

- DE 19837476 A1 20000217 - SIEMENS AG [DE]
- DE 19836081 A1 20000217 - SIEMENS AG [DE]
- OEHLER, J.: "Intelligentes Inspektionssystem - Pilot Saalfeld", ETR, no. 46, April 1997 (1997-04-01), pages 185 - 190
- OEHLER, J.; ERDMANN, U.: "Intelligentes Inspektionssystem für den Oberbau", EL, no. 47, February 1996 (1996-02-01), pages 38 - 46
- HÖHBERGER, H.-J.; RECHER, M.; ZÜCK, H.-H.: "Die Oberbau-Messwagen-Einheit - Neuer Standard für die Gleismesstechnik", ETR, no. 41, June 1992 (1992-06-01), pages 405 - 411
- BERG, H.; GÖSSLING, G.; ZÜCK, H.-H.: "Radsatzwelle und Radscheibe - die richtige Kombination zur Messung der Kräfte zwischen Rad und Schiene", ZEV + DET GLASERS ANNALEN 120, no. 2, February 1996 (1996-02-01), pages 40 - 47

Cited by

DE102016224622A1; DE102004015244B4; DE102006026048A1; EP2269888A1; US8649921B2; WO2015193333A1; WO2011018416A3; EP2305532A1; DE102009043701A1; EP1783026A3; CN102574536A; EP2687419A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1213202 A1 20020612**; **EP 1213202 B1 20060405**; **EP 1213202 B2 20090218**; AT E322416 T1 20060415; DE 50012534 D1 20060518

DOCDB simple family (application)

**EP 00126831 A 20001207**; AT 00126831 T 20001207; DE 50012534 T 20001207