

Title (en)

DEVICE FOR THE ELECTROMAGNETIC ULTRASONIC DIAGNOSIS OF WHEELS

Title (de)

VORRICHTUNG ZUR ELEKTROMAGNETISCHEN ULTRASCHALLDIAGNOSE VON RÄDERN

Title (fr)

DISPOSITIF POUR LE DIAGNOSTIC ELECTROMAGNETIQUE PAR ULTRASONS DE ROUES

Publication

**EP 1485704 A1 20041215 (DE)**

Application

**EP 02807050 A 20020318**

Priority

EP 0202967 W 20020318

Abstract (en)

[origin: WO03078997A1] The invention relates to a device for earthing a diagnostic installation of wheels of electrically driven rail vehicles, using electromagnetic ultrasonic wave transducers. Said device prevents the coupling of interference emanating from the vehicles into the ultrasonic testing heads, whilst maintaining the underlying functional principle of the test method, without the need to interfere with the vehicle devices. The track section in the spatial working area of the ultrasonic test is galvanically isolated from the electric potential of the neighbouring track areas and comprises in addition an earth that is buffered against high-frequency interference currents.

IPC 1-7

**G01N 29/24**; B61K 9/12

IPC 8 full level

**B61K 9/12** (2006.01); **G01N 29/24** (2006.01)

CPC (source: EP)

**B61K 9/12** (2013.01); **G01N 29/2412** (2013.01); **G01N 2291/0423** (2013.01); **G01N 2291/2696** (2013.01)

Citation (search report)

See references of WO 03078997A1

Cited by

DE102020128188A1; WO2022089880A1

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)

**WO 03078997 A1 20030925**; AU 2002367788 A1 20030929; EP 1485704 A1 20041215

DOCDB simple family (application)

**EP 0202967 W 20020318**; AU 2002367788 A 20020318; EP 02807050 A 20020318