

Title (en)

MONITORING SYSTEM FOR WHEEL PROFILE DEFECT OF RAILWAY VEHICLES

Title (de)

ÜBERWACHUNGSSYSTEM FÜR RADPROFILDEFEKTE VON EISENBAHNFahrzeugen

Title (fr)

SYSTÈME DE SURVEILLANCE DES DÉFAUTS DE PROFIL DE ROUE SUR VÉHICULES FERROVIAIRES

Publication

EP 2208041 A1 20100721 (EN)

Application

EP 07851576 A 20071218

Priority

- KR 2007006608 W 20071218
- KR 20070108481 A 20071026

Abstract (en)

[origin: WO2009054566A1] A system for detecting wheel profile defects in a railway vehicle is disclosed. Magnetic field measurement means obtains information about a magnetic field in the vicinity of each wheel of a railway vehicle. Data collection means reads the presence or absence of defects in the wheel in the form of magnetic images using the information about the magnetic field obtained by the magnetic field measurement means. Magnetization means magnetizes the wheel. A magnetic lens focuses a magnetic field on the profile of the magnetized wheel. A magnetic sensor array converts the information about the magnetic field, focused using the magnetic lens, into electric signals. An Analog/Digital (A/D) converter converts the information about the magnetic field, converted into the electric signals using the magnetic sensor array, into digital signals.

IPC 8 full level

G01M 17/10 (2006.01)

CPC (source: EP KR)

B61L 15/0081 (2013.01 - KR); **B61L 27/60** (2022.01 - KR); **G01M 17/10** (2013.01 - EP KR); **G01N 27/82** (2013.01 - KR); **G01R 31/008** (2013.01 - KR)

Citation (search report)

See references of WO 2009054566A1

Cited by

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Designated extension state (EPC)

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DOCDB simple family (publication)

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