

Title (en)

METHOD FOR MONITORING A RAILWAY SYSTEM AND SENSOR ARRANGEMENT FOR A RAILWAY SYSTEM

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINES EISENBAHNSYSTEMS UND SENSORANORDNUNG FÜR EIN EISENBAHNSYSTEM

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UN SYSTÈME DE CHEMIN DE FER ET AGENCEMENT DE CAPTEUR POUR UN SYSTÈME DE CHEMIN DE FER

Publication

EP 4169801 A1 20230426 (EN)

Application

EP 21203953 A 20211021

Priority

EP 21203953 A 20211021

Abstract (en)

A method for monitoring a railway system (21) is provided, the method comprising arranging a sensor (24) below a movable railway element (25) of the railway system (21), and measuring a spatial position of at least a segment (34) of the movable railway element (25) by a contactless measurement by the sensor (24), wherein the sensor (24) is configured to differentiate between at least two different spatial positions of the segment (34) of the movable railway element (25), and the respective spatial position relates to the distance between the segment (34) of the movable railway element (25) and a rail (23) of the railway system (21). Furthermore, a sensor arrangement (20) for a railway system (21) is provided.

IPC 8 full level

B61L 5/10 (2006.01)

CPC (source: EP US)

B61L 5/10 (2013.01 - EP); **B61L 5/107** (2013.01 - EP US)

Citation (search report)

[X1] EP 1270363 A1 20030102 - SIEMENS AG [DE]

Cited by

WO2023067066A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4169801 A1 20230426; AU 2022369045 A1 20240502; CN 118201838 A 20240614; US 2024409137 A1 20241212; WO 2023067066 A1 20230427

DOCDB simple family (application)

EP 21203953 A 20211021; AU 2022369045 A 20221020; CN 202280070716 A 20221020; EP 2022079216 W 20221020; US 202218702308 A 20221020