

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)

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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)

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Designated validation state (EPC)

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