

Title (en)
AUTOMOTIVE INSPECTION ROBOTIC VEHICLE, INSPECTION SYSTEM, AND METHOD FOR INSPECTING A RAILWAY TRACK AND/OR A RAILWAY VEHICLE

Title (de)
ROBOTISCHES FAHRZEUG ZUR INSPEKTION EINES KRAFTFAHRZEUGS, INSPEKTIONSSYSTEM UND VERFAHREN ZUR INSPEKTION EINES GLEISES UND/ODER EINES SCHIENENFAHRZEUGS

Title (fr)
VÉHICULE ROBOTISÉ D'INSPECTION AUTOMOBILE, SYSTÈME D'INSPECTION ET PROCÉDÉ D'INSPECTION D'UNE VOIE FERRÉE ET/OU D'UN VÉHICULE FERROVIAIRE

Publication
EP 4377187 A1 20240605 (EN)

Application
EP 21749817 A 20210727

Priority
EP 2021070966 W 20210727

Abstract (en)
[origin: WO2023006184A1] According to various aspects, an automotive inspection robotic vehicle (100) for inspecting a railway track and/or a railway vehicle is described, comprising: an onboard driving device (104) to allow for moving the inspection robotic vehicle (100) to thereby allow the inspection robotic vehicle (100) to drive along and adjacent to a railway track; an onboard control device (106) configured to control the onboard driving device (104); one or more onboard sensors (108) configured to detect parameter data representing at least one railway track parameter and/or railway vehicle parameter, describing a condition of the railway track and/or railway vehicle, respectively; and a holding structure (110) laterally extending on the automotive inspection robotic vehicle (100) and configured to engage with a rail or rails of the railway track to thereby, during use, hold the automotive inspection robotic vehicle (100) on the rail or rails of the railway track.

IPC 8 full level
B61L 23/04 (2006.01); **B61D 15/12** (2006.01)

CPC (source: EP US)
B61D 15/00 (2013.01 - US); **B61D 15/12** (2013.01 - EP); **B61K 9/08** (2013.01 - EP US); **B61L 23/04** (2013.01 - EP)

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)
WO 2023006184 A1 20230202; EP 4377187 A1 20240605; US 2024343274 A1 20241017

DOCDB simple family (application)
EP 2021070966 W 20210727; EP 21749817 A 20210727; US 202118576315 A 20210727