

Title (en)

VEHICLE AND METHOD FOR INSPECTING A RAILWAY LINE

Title (de)

FAHRZEUG UND VERFAHREN ZUR INSPEKTION EINER EISENBAHNSTRECKE

Title (fr)

VÉHICULE ET PROCÉDÉ D'INSPECTION D'UNE LIGNE DE CHEMIN DE FER

Publication

EP 4015342 A1 20220622 (EN)

Application

EP 21214075 A 20211213

Priority

IT 202000031499 A 20201218

Abstract (en)

A vehicle (1) for inspecting a railway line, comprises: a supporting structure (10); a cover (11), associated with the supporting structure (10); a plurality of rolling elements (9), connected to the supporting structure (10) and configured to come into contact with the tracks of the railway line; an inspection system (2), including one or more sensors (21, 22, 23, 24) and configured to detect inspection data (201) relative to the stretch of the railway line travelled by the vehicle (1); an actuating unit (91), associated with said plurality of rolling elements (9) for transmitting a drive torque; a control unit (3), connected to the inspection system (2) for receiving the inspection data (201) and programmed to process the inspection data (201), to derive information regarding the presence of obstacles to railway traffic along said stretch of railway line. The control unit (3) is programmed to control the actuating unit (91) in response to the inspection data (201).

IPC 8 full level

B61K 9/08 (2006.01); **B61D 15/12** (2006.01); **B61L 23/04** (2006.01)

CPC (source: EP)

B61D 15/12 (2013.01); **B61K 9/08** (2013.01); **B61L 23/041** (2013.01); **B61L 23/042** (2013.01); **B61L 2205/04** (2013.01)

Citation (applicant)

- ES 2691145 B2 20200408 - UNIV MADRID CARLOS III [ES], et al
- US 2019256113 A1 20190822 - FILIPPONE CLAUDIO [US]
- IT 201800009264 A1 20200409 - POGGIO MAURIZIO [IT]
- US 5786750 A 19980728 - COOPER GUY F [US]
- US 2016368510 A1 20161222 - SIMON DANIEL H [US], et al
- US 5429329 A 19950704 - WALLACE CHARLES C [US], et al
- DE 102018119151 A1 20200213 - BOMBARDIER TRANSP GMBH [DE]

Citation (search report)

- [X] US 2019256113 A1 20190822 - FILIPPONE CLAUDIO [US]
- [X] IT 201800009264 A1 20200409 - POGGIO MAURIZIO [IT]
- [X] US 5786750 A 19980728 - COOPER GUY F [US]
- [I] US 2016368510 A1 20161222 - SIMON DANIEL H [US], et al
- [A] US 5429329 A 19950704 - WALLACE CHARLES C [US], et al
- [A] DE 102018119151 A1 20200213 - BOMBARDIER TRANSP GMBH [DE]
- [AD] ES 2691145 B2 20200408 - UNIV MADRID CARLOS III [ES], et al

Cited by

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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

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