

Title (en)

RAIL VEHICLE AND METHOD FOR SURVEYING A TRACK SECTION

Title (de)

SCHIENENFAHRZEUG UND VERFAHREN ZUM VERMESSEN EINER GLEISSTRECKE

Title (fr)

VÉHICULE FERROVIAIRE ET PROCÉDÉ DE MESURE D'UNE VOIE FERRÉE

Publication

**EP 3746346 B1 20230308 (DE)**

Application

**EP 19700195 A 20190102**

Priority

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- EP 2019050013 W 20190102

Abstract (en)

[origin: WO2019149456A1] The invention relates to a rail vehicle (2) having a vehicle frame (12) which is movable on rails (7) of a track (1) in a manner supported on bogies (4), the rail vehicle comprising a first measurement platform (5) with a first inertial measurement system (9) for detecting a track profile. A second measurement platform (14) is arranged on the rail vehicle (2) and comprises a second inertial measurement system (15) and at least one sensor device (17) for detecting surface points (P) of a track section (18). The movement of the sensor device (17) in three-dimensional space is detected in a simple way using the second measurement platform (14) and the second inertial measurement system (15).

IPC 8 full level

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CPC (source: AT EP KR US)

**B61K 9/08** (2013.01 - AT EP KR US); **B61L 23/047** (2013.01 - EP); **E01B 35/06** (2013.01 - US)

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DOCDB simple family (publication)

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