

Title (en)

RAILWAY VEHICLE SYSTEM AND METHOD FOR IMPROVING THE SAFETY OF A RAILWAY VEHICLE

Title (de)

SCHIENENFAHRZEUGSYSTEM UND VERFAHREN ZUR VERBESSERUNG DER SICHERHEIT EINES SCHIENENFAHRZEUGES

Title (fr)

SYSTÈME DE VÉHICULE FERROVIAIRE ET PROCÉDÉ D'AMÉLIORATION DE LA SÉCURITÉ D'UN VÉHICULE FERROVIAIRE

Publication

**EP 3833590 A1 20210616 (EN)**

Application

**EP 19748820 A 20190731**

Priority

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- EP 2019070686 W 20190731

Abstract (en)

[origin: WO2020030508A1] A railway vehicle system (5, 55) includes a railway vehicle (5, 700, 800) having a main vehicle control unit (57), and a self-propelled railway drone vehicle (55, 100 -500) including at least one first sensor (S1-S3) for detecting obstacles (54, 741, 742, 840) on a rail track (2) and in front of the railway drone vehicle, and a main drone control unit (157) connected with the at least one first sensor (S1-S3), and configured to operate the railway drone vehicle (55, 100 - 500) on the rail track(2), ahead the railway vehicle (5) and within one or more cleared operation blocks (CB) of the railway vehicle, to search autonomously for obstacles on the rail track (2) using the at least one first sensor (S1-S3), and to send via a data connection (DL) with the main vehicle control unit (57) a warning message to the railway vehicle after detecting an obstacle on the rail track (2) or approaching the rail track (2).

IPC 8 full level

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