

Title (en)

AUTONOMOUS DRIVING SYSTEM FOR A RAIL VEHICLE; ASSOCIATED RAIL VEHICLE AND METHOD

Title (de)

AUTONOMES FAHRSYSTEM FÜR EIN SCHIENENFAHRZEUG, ZUGEHÖRIGES SCHIENENFAHRZEUG UND VERFAHREN

Title (fr)

SYSTÈME DE CONDUITE EN AUTONOMIE D'UN VÉHICULE FERROVIAIRE; VÉHICULE FERROVIAIRE ET PROCÉDÉ ASSOCIÉS

Publication

EP 3999396 A1 20220525 (FR)

Application

EP 20737205 A 20200713

Priority

- FR 1907937 A 20190715
- EP 2020069736 W 20200713

Abstract (en)

[origin: WO2021009109A1] Said system (10), which is installed on board a rail vehicle (1) and interfaced with a unit for monitoring/controlling (8) traction/braking means (3, 4) of the vehicle, comprises: a means (21, 23, 33) for determining a position of the vehicle; a means (25, 26, 39) for detecting an obstacle in an observation region around the vehicle; a means for calculating a setpoint speed (37) in order to filter each obstacle detected in the observation region by only retaining the detected obstacle in a monitoring zone, and for calculating a setpoint speed depending on the position of the vehicle and the location of the obstacle in the monitoring zone; and a speed control module (38) for generating, on the basis of the setpoint speed, a setpoint signal designed to be applied to the monitoring/control unit (8).

IPC 8 full level

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CPC (source: EP)

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See references of WO 2021009109A1

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