

Title (en)

CONTROL OF THE DISPENSING OF AN ADHESION-INCREASING AGENT FOR A RAIL VEHICLE

Title (de)

REGELUNG DER ABGABE EINES ADHÄSIONSERHÖHENDEN MITTELS BEI EINEM SCHIENENFAHRZEUG

Title (fr)

COMMANDE DE LA DISTRIBUTION D'UN AGENT AUGMENTANT L'ADHÉRENCE POUR UN VÉHICULE FERROVIAIRE

Publication

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Application

EP 20808076 A 20201116

Priority

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Abstract (en)

[origin: WO2021110396A1] The invention relates to a device and a method for controlling the dispensing of adhesion-increasing agent of a rail vehicle (S) comprising at least one apparatus (1) for dispensing adhesion-increasing agent, which apparatus is associated with a wheel (R1) of the rail vehicle. The system further comprises at least one wheel speed sensor (2) and/or wheel acceleration sensor (2a) and/or wheel torque sensor (2b), which sensor measures the wheel speed or wheel rotational speed and/or the wheel acceleration of a particular wheel and/or the wheel torque acting on the wheel. A measuring unit (4, 5) is also provided which determines the vehicle speed and/or the acceleration in the vehicle longitudinal direction of the entire rail vehicle. A calculation unit (6) is adapted to ascertain the ratio of the wheel speed or wheel rotational speed of the wheel and the speed of the rail vehicle and/or the ratio of the wheel acceleration and the acceleration in the longitudinal direction of the rail vehicle and/or the ratio between the target torque and the actual torque acting on the wheel. This at least one ratio is considered, in particular the change in said ratio. The dispensing of adhesion-increasing agent by means of the apparatus (1) for dispensing adhesion-increasing agent is controlled on the basis of the change in this at least one ratio.

IPC 8 full level

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Citation (search report)

See references of WO 2021110396A1

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