Title (en)

METHOD AND DEVICE FOR THE DYNAMIC OPTIMIZATION OF A BRAKING DISTANCE OF VEHICLES, IN PARTICULAR OF RAIL VEHICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DYNAMISCHEN OPTIMIERUNG EINES BREMSWEGES VON FAHRZEUGEN, INSBESONDERE VON SCHIENENFAHRZEUGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'OPTIMISATION DYNAMIQUE D'UNE DISTANCE DE FREINAGE DE VÉHICULES, EN PARTICULIER DE VÉHICULES FERROVIAIRES

Publication

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Application

EP 20733259 A 20200615

Priority

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Abstract (en)

[origin: WO2020260048A1] The invention relates to a method for the dynamic optimization of a braking distance of vehicles, in particular of rail vehicles, to a device for carrying out the method, and to a computer program product which carries out the method in automated fashion in order to improve reproducibility of a braking distance of vehicles. Here, using a vehicle speed (vist) and an acceleration (aist) acting on the vehicle, at different calculation times, the method compares a nominal braking distance (sn) under ideal conditions with an actually expected braking distance (sa). In order to be able to still attain the originally predefined braking distance in the event of deviations, the setpoint value of the deceleration is if necessary adapted following the calculation times.

IPC 8 full level

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CPC (source: CN EP)

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DOCDB simple family (application)

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