

Title (en)

METHOD AND A DEVICE FOR GENERATING A DYNAMIC SPEED PROFILE OF A MOTOR VEHICLE

Title (de)

VERFAHREN UND EINE VORRICHTUNG ZUM ERZEUGEN EINES DYNAMISCHEN GESCHWINDIGKEITSPROFILS EINES KRAFTFAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR GÉNÉRER UN PROFIL DE VITESSE DYNAMIQUE D'UN VÉHICULE AUTOMOBILE

Publication

**EP 3687874 A1 20200805 (DE)**

Application

**EP 18785246 A 20180926**

Priority

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Abstract (en)

[origin: WO2019060938A1] The invention relates to a method for generating a dynamic speed profile of a motor vehicle, which is suitable for the simulation of an in particular real driving operation on a route, having the following working steps: determining a section-based static speed profile, resolved into route segments, for the route on the basis of information from a digital map; starting from the section-based static speed profile, determining a section-based dynamized speed profile which takes into account a defined maximum intended retardation in order to achieve mandatory speed minima of the speed profile; starting from the section-based dynamized speed profile, determining a time-based dynamic speed profile resolved into time steps, wherein in each time step an applied acceleration is determined on the basis of the speed in a route segment, which is predefined by the speed profile and which corresponds to the respective time step, and the speed applied in the time step; and outputting the time-based dynamic speed profile.

IPC 8 full level

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