

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

- AT 508222017 A 20170926
- AT 2018060225 W 20180926

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

B60W 40/00 (2006.01); **G08G 1/00** (2006.01); **G08G 1/02** (2006.01)

CPC (source: AT EP KR US)

B60W 30/143 (2013.01 - EP); **B60W 30/18072** (2013.01 - EP KR); **B60W 40/08** (2013.01 - KR); **B60W 40/105** (2013.01 - KR); **B60W 40/109** (2013.01 - KR); **B60W 50/0097** (2013.01 - EP KR); **B60W 50/14** (2013.01 - US); **G01C 21/3407** (2013.01 - US); **G01M 17/007** (2013.01 - AT KR); **G08G 1/052** (2013.01 - EP KR); **B60W 2510/0666** (2013.01 - EP); **B60W 2510/1005** (2013.01 - EP); **B60W 2520/10** (2013.01 - KR); **B60W 2520/125** (2013.01 - KR); **B60W 2540/043** (2020.02 - EP); **B60W 2552/30** (2020.02 - EP KR); **B60W 2710/0644** (2013.01 - KR); **B60W 2720/103** (2013.01 - EP KR); **B60W 2720/106** (2013.01 - EP); **B60Y 2300/143** (2013.01 - KR); **B60Y 2300/18066** (2013.01 - KR)

Cited by

EP3954980A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019060938 A1 20190404; AT 520320 A4 20190315; AT 520320 B1 20190315; CN 111491844 A 20200804; CN 111491844 B 20240308; EP 3687874 A1 20200805; JP 2020535061 A 20201203; KR 20200061385 A 20200602; US 11897494 B2 20240213; US 2020346659 A1 20201105

DOCDB simple family (application)

AT 2018060225 W 20180926; AT 508222017 A 20170926; CN 201880076154 A 20180926; EP 18785246 A 20180926; JP 2020517423 A 20180926; KR 20207012053 A 20180926; US 201816650926 A 20180926