

Title (en)
METHOD AND DEVICE FOR ADAPTING A SETPOINT ACCELERATION TRAJECTORY OF AN ADAPTIVE VEHICLE CRUISE CONTROL OF AN AUTONOMOUS VEHICLE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ANPASSUNG EINER SOLLBESCHLEUNIGUNGSBAHN EINES ADAPTIVEN FAHRZEUGGESCHWINDIGKEITSREGLERS EINES AUTONOMEN FAHRZEUGS

Title (fr)
PROCÉDÉ ET DISPOSITIF D'ADAPTATION D'UNE TRAJECTOIRE D'ACCÉLÉRATION DE CONSIGNE D'UN RÉGULATEUR DE VITESSE VÉHICULE ADAPTATIF D'UN VÉHICULE AUTONOME

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Application
EP 21816125 A 20211027

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• FR 2021051888 W 20211027

Abstract (en)
[origin: WO2022112677A1] The invention relates to a method and a device for adapting a setpoint acceleration trajectory of an adaptive vehicle cruise control of an autonomous vehicle, in order for the autonomous vehicle to reach a target position at a target speed while respecting dynamic acceleration constraints, the method comprising the steps of: • receiving (301) information on the setpoint acceleration trajectory, on the target position, on the target speed and on the dynamic acceleration constraints; • estimating (302) an end position and an end speed of the autonomous vehicle, taking into account the dynamic acceleration constraints; • if (303) the difference between the end position and the target position is greater than a predetermined position threshold, or if (303) the difference between the end speed and the target speed is greater than a predetermined speed threshold, an adaptation (304) of the setpoint acceleration trajectory is determined.

IPC 8 full level
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Citation (search report)
See references of WO 2022112677A1

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DOCDB simple family (publication)
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