

Title (en)
METHOD FOR MANAGING THE LONGITUDINAL SPEED OF AN AUTONOMOUS VEHICLE

Title (de)
VERFAHREN ZUR VERWALTUNG DER LÄNGSGESCHWINDIGKEIT EINES AUTONOMEN FAHRZEUGS

Title (fr)
PROCÉDÉ DE GESTION DE LA VITESSE LONGITUDINALE D'UN VÉHICULE AUTONOME

Publication
EP 4337505 A1 20240320 (FR)

Application
EP 22728827 A 20220511

Priority
• FR 2104998 A 20210511
• EP 2022062814 W 20220511

Abstract (en)
[origin: WO2022238497A1] Method for managing the longitudinal speed of an autonomous vehicle (100), the autonomous vehicle travelling on a traffic lane comprising stop signage located in front of the autonomous vehicle, the autonomous vehicle being equipped with a first means of detecting (1) a first range (P1) and a second means of detecting (2) a second range (P2), the first range (P1) being greater than the second range (P2). Said method is characterized in that it comprises - a first step (E1) of detecting the stop signage by the first detection means (1), and of implementing a first deceleration logic of the autonomous vehicle, - a second step (E2) of detecting the stop signage by the second detection means (2), and of implementing a second deceleration logic of the autonomous vehicle, in that the first and second deceleration logic implement jerks, the absolute value of which is less than a first threshold (JMAX), and in that the second deceleration logic controls the stopping of the autonomous vehicle with an accuracy of around one centimeter relative to the stop signage, or around ten centimeters relative to the stop signage, or around several tens of centimeters relative to the stop signage.

IPC 8 full level
B60W 30/18 (2012.01); **B60W 30/14** (2006.01); **B60W 50/00** (2006.01); **B60W 60/00** (2020.01)

CPC (source: EP)
B60W 30/143 (2013.01); **B60W 30/181** (2013.01); **B60W 50/0097** (2013.01); **B60W 60/0013** (2020.02); **B60W 60/0021** (2020.02); **B60W 30/18109** (2013.01); **B60W 2050/0043** (2013.01); **B60W 2420/403** (2013.01); **B60W 2555/60** (2020.02); **B60W 2556/50** (2020.02); **B60W 2720/10** (2013.01); **B60W 2720/103** (2013.01); **B60W 2720/106** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022238497 A1 20221117; CN 117320942 A 20231229; EP 4337505 A1 20240320; FR 3122856 A1 20221118

DOCDB simple family (application)
EP 2022062814 W 20220511; CN 202280033554 A 20220511; EP 22728827 A 20220511; FR 2104998 A 20210511