

Title (en)

METHOD FOR LOCATING AUTONOMOUS VEHICLES

Title (de)

VERFAHREN ZUR LOKALISIERUNG VON AUTONOMEN FAHRZEUGEN

Title (fr)

PROCÉDÉ DE LOCALISATION POUR VÉHICULE AUTONOME

Publication

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Application

EP 22728611 A 20220512

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Abstract (en)

[origin: WO2022243151A1] The invention relates to a method for locating an autonomous vehicle (100) comprising position sensors (2), a path planning system (33), and motion actuators (41), characterised in that it comprises an iteration of the following steps: - a step (E1) of predicting the current position of the autonomous vehicle (100) which comprises receiving (E11) a previous estimated position (62) of the autonomous vehicle (100) obtained from a previous iteration of the method, receiving (E12) applied commands (67) by means of the motion actuators (41, 42, 43), calculating (E13) a commanded path (74) on the basis of the applied commands (67), and calculating (E14) an extrapolated position (71) of the autonomous vehicle (100) on the basis of said previous estimated position (62) and said commanded path (74); - an updating step (E2) which comprises calculating an updated estimated position (72) of the autonomous vehicle (100) taking into account a measured position (61) obtained from the position sensors (2) and the extrapolated position (71).

IPC 8 full level

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