Title (en)
METHOD FOR DETERMINING A POSITION OF A VEHICLE, AND A VEHICLE

Title (de)
VERFAHREN ZUM ERMITTELN EINER POSITION EINES FAHRZEUGS UND FAHRZEUG

Title (fr)
PROCÉDÉ POUR DÉTERMINER UNE POSITION D'UN VÉHICULE ET VÉHICULE

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Abstract (en)
[origin: WO2014008968A1] The invention relates to a method for determining a position of a vehicle (10, 10'), in which a sensor (14) is used to detect an object (16) in the surroundings of said vehicle (10, 10'). Data values which indicate the position of the object (16) are taken into account when determining a position of said vehicle (10, 10') relative to the object. In order to determine the relative position of the vehicle (10, 10'), an angle (alpha, beta) is determined respectively at two different points in time between a straight line on which the sensor (14) and the object (16) come to rest, and a reference direction (L). A length (c) of a distance covered by said vehicle (10, 10') between these two points in time is also determined. The invention additionally relates to a vehicle (10, 10') which comprises a position-determining device (12).

IPC 8 full level
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Citation (search report)
See references of WO 2014008968A1

Citation (examination)
• BOLEY D L ET AL: "A RAPIDLY CONVERGING RECURSIVE METHOD FOR MOBILE ROBOT LOCALIZATION", INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH, SAGE SCIENCE PRESS, THOUSAND OAKS, US, vol. 17, no. 10, 1 October 1998 (1998-10-01), pages 1027 - 1039, XP000781884, ISSN: 0278-3649
• JIALI SHEN ET AL: "Mobile Robot Navigation through Digital Landmarks", PROCEEDINGS OF THE 10TH CHINESE AUTOMATION & COMPUTING SOCIETY CONFERENCE IN THE UK, 18 September 2004 (2004-09-18), Liverpool, England, pages 1 - 8, XP055446656, Retrieved from the Internet <URL:http://dces.essex.ac.uk/staff/hhu/Papers/CACSCUK2004Shen.pdf> [retrieved on 20180131]

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