

Title (en)
METHOD FOR PROCESSING MEASUREMENT DATA OF A VEHICLE IN ORDER TO DETERMINE THE START OF A SEARCH FOR A PARKING SPACE

Title (de)
VERFAHREN ZUM VERARBEITEN VON MESSDATEN EINES FAHRZEUGS ZUR BESTIMMUNG DES BEGINNS EINER PARKPLATZSUCHE

Title (fr)
PROCÉDÉ DE TRAITEMENT DE DONNÉES DE MESURE D'UN VÉHICULE POUR L'ÉTABLISSEMENT DU COMMENCEMENT D'UNE RECHERCHE D'UNE PLACE DE STATIONNEMENT

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Abstract (en)
[origin: WO2014206699A1] The invention relates to a method for processing measurement data of a vehicle in order to determine the start of a search for a parking space, comprising the following steps: a) detecting a number (N) of drive data vectors (xi), wherein each drive data vector (x) comprises information about a speed (v;), position data (p j), and a point in time (t i) of the detection of the speed (v) and of the position data (p i); b) determining an attribute vector (m;) at each point in time (t i) of the detection of a drive data vector (xi), wherein the information of the current and prior drive data vectors (x) is processed, wherein the attribute vector (m i) comprises at least speed information and path information as attribute components; c) classifying each attribute vector (m i), wherein a first traffic category (c z) representing a drive of the vehicle or a second traffic category (cp) representing parking search traffic is associated with each of the attribute vectors (m i), and wherein a probability (p(P | mi)) is determined, which indicates the probability with which the feature vector is to be associated with the first or the second traffic category (cz, cp); d) segmenting over the temporal course of the traffic categories (cz, cp) of the attribute vectors (m i), wherein the drive from the start to the last detection of a drive data vector is divided into two segments in accordance with the determined traffic categories (cz, cp) of the attribute vectors (m i) and the transition from one segment to the other segment represents the start of the search for a parking space.

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