

Title (en)

METHOD FOR DETERMINING A POSITION OF A MOTOR VEHICLE ON A ROAD

Title (de)

VERFAHREN ZUR ERMITTLUNG EINER POSITION EINES KRAFTFAHRZEUGS AUF EINER STRASSE

Title (fr)

PROCEDE POUR DETERMINER LA POSITION D'UN VEHICULE SUR LA CHAUSSEE

Publication

EP 1665197 A1 20060607 (DE)

Application

EP 04764222 A 20040818

Priority

- EP 2004009234 W 20040818
- DE 10341905 A 20030911

Abstract (en)

[origin: WO2005029439A1] The invention relates to a method for determining a position (1) of a motor vehicle (2) on a road (3). To this end, road geometric data (4) and path data (5) are recorded, and first position data (1) of the motor vehicle (2) relative to the road (3) are calculated from the recorded road geometric data (4) and path data (5). The invention is characterized in that: road course data (6) are also calculated from the road geometric data (4) and path data (5); second position data (7) of a vehicle (2'), which is following the first vehicle (2), relative to this vehicle (2) are recorded, and; third position data (8) of the following vehicle (2') relative to the road (3) are calculated from the road course data (6), the first position data (1) of the vehicle (2), and from the second position data (7) of the following vehicle (2').

IPC 1-7

G08G 1/16

IPC 8 full level

G01S 5/02 (2010.01); **G08G 1/16** (2006.01)

CPC (source: EP US)

G08G 1/166 (2013.01 - EP US); **G08G 1/167** (2013.01 - EP US); **G08G 1/16** (2013.01 - EP US)

Citation (search report)

See references of WO 2005029439A1

Cited by

DE102011016217A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2005029439 A1 20050331; DE 10341905 A1 20050512; DE 502004003983 D1 20070712; EP 1665197 A1 20060607; EP 1665197 B1 20070530; JP 2007505377 A 20070308; US 2007268067 A1 20071122

DOCDB simple family (application)

EP 2004009234 W 20040818; DE 10341905 A 20030911; DE 502004003983 T 20040818; EP 04764222 A 20040818; JP 2006525667 A 20040818; US 57167004 A 20040818