

Title (en)

METHOD AND DEVICE FOR ASCERTAINING A NAVIGATION POSITION OF A NAVIGATION SYSTEM FOR A MOTOR VEHICLE, AND NAVIGATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERMITTELN EINER NAVIGATIONSPOSITION EINES NAVIGATIONSSYSTEMS FÜR EIN KRAFTFAHRZEUG SOWIE NAVIGATIONSSYSTEM

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION D'UNE POSITION DE NAVIGATION D'UN SYSTÈME DE NAVIGATION POUR VÉHICULE AUTOMOBILE ET SYSTÈME DE NAVIGATION

Publication

**EP 3555666 A1 20191023 (DE)**

Application

**EP 17811957 A 20171211**

Priority

- DE 102016225282 A 20161216
- EP 2017082177 W 20171211

Abstract (en)

[origin: WO2018108787A1] The invention relates to a navigation system for a motor vehicle for ascertaining a navigation position, having the following: a plurality of receivers (108, 109, 110, 111) for receiving respective position data of a plurality of different navigation satellite systems, an inertial measuring unit (105, 106) for ascertaining the inertial position of the navigation system, a receiving unit (112) for receiving correction data, an additional receiving unit (113) for receiving certified position data, and a device (200) which is coupled to the plurality of receivers (108, 109, 110, 111), the inertial measuring unit (105, 106), the receiving unit (112), and the additional receiving unit (113) so as to transmit signals, wherein the device (200) is designed to ascertain the navigation position on the basis of the position data, the inertial position, the correction data, and the certified position data. The invention additionally relates to a method which can be carried out by the navigation device in particular.

IPC 8 full level

**G01S 19/42** (2010.01); **G01S 19/20** (2010.01); **G01S 19/41** (2010.01); **G01S 19/49** (2010.01)

CPC (source: EP US)

**G01S 19/20** (2013.01 - EP); **G01S 19/396** (2019.07 - US); **G01S 19/40** (2013.01 - US); **G01S 19/423** (2013.01 - EP US); **G01S 19/426** (2013.01 - EP US); **G01S 19/49** (2013.01 - EP US); **G01S 19/41** (2013.01 - EP)

Citation (search report)

See references of WO 2018108787A1

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

DOCDB simple family (publication)

**WO 2018108787 A1 20180621**; CN 110050202 A 20190723; CN 110050202 B 20230616; DE 102016225282 A1 20180621; EP 3555666 A1 20191023; US 11294069 B2 20220405; US 2020225362 A1 20200716

DOCDB simple family (application)

**EP 2017082177 W 20171211**; CN 201780074822 A 20171211; DE 102016225282 A 20161216; EP 17811957 A 20171211; US 201716469734 A 20171211