

Title (en)

METHOD AND SYSTEM FOR ADAPTING A NAVIGATION SYSTEM

Title (de)

VERFAHREN UND SYSTEM ZUR ANPASSUNG EINES NAVIGATIONSSYSTEMS

Title (fr)

PROCÉDÉ ET SYSTÈME D'ADAPTATION D'UN SYSTÈME DE NAVIGATION

Publication

**EP 3155373 A1 20170419 (DE)**

Application

**EP 15729402 A 20150609**

Priority

- DE 102014211164 A 20140611
- EP 2015062790 W 20150609

Abstract (en)

[origin: WO2015189180A1] The invention relates to a method for adapting a navigation system, wherein the navigation system comprises a base system and at least one correction system, wherein the base system and the at least one correction system each capture measured values, wherein the measured values describe navigation data, wherein the measured values are each burdened with error values, wherein the error values describe discrepancies in the measured values from the described navigation data, wherein at least the error values of the measured values of the base system are recognized by means of the measured values of the at least one correction system and wherein the recognition is effected by considering an availability of the at least one correction system, wherein the consideration represents adaptation of parameters of a stochastic system model and wherein the stochastic system model prescribes a weighting for measured values of the at least one correction system with respect to measured values of the base system in accordance with the parameters. The invention additionally relates to a corresponding system and to a use for the system.

IPC 8 full level

**G01C 21/16** (2006.01)

CPC (source: CN EP RU US)

**G01C 21/16** (2013.01 - RU); **G01C 21/165** (2013.01 - CN EP RU US); **G01C 21/188** (2020.08 - CN EP RU US)

Citation (search report)

See references of WO 2015189180A1

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 2015189180 A1 20151217**; CN 107076559 A 20170818; CN 107076559 B 20210903; DE 102014211164 A1 20151217; EP 3155373 A1 20170419; RU 2016147904 A 20180712; RU 2016147904 A3 20180712; RU 2667667 C2 20180924; US 10267638 B2 20190423; US 2017089705 A1 20170330

DOCDB simple family (application)

**EP 2015062790 W 20150609**; CN 201580030360 A 20150609; DE 102014211164 A 20140611; EP 15729402 A 20150609; RU 2016147904 A 20150609; US 201615374325 A 20161209