

Title (en)

RADIO FREQUENCY INTERFERENCE DATABASE FOR VEHICLE NAVIGATION PLANNING

Title (de)

FUNKFREQUENZINTERFERENZDATENBANK ZUR FAHRZEUGNAVIGATIONSPLANUNG

Title (fr)

BASE DE DONNÉES D'INTERFÉRENCE RADIOFRÉQUENCE POUR PLANIFICATION DE NAVIGATION DE VÉHICULE

Publication

EP 4303852 A1 20240110 (EN)

Application

EP 23180371 A 20230620

Priority

- IN 202211039324 A 20220708
- US 202217933804 A 20220920

Abstract (en)

An RF interference database provides RF signal characteristics associated with a plurality of geographical locations. A travel planning system on a vehicle or other processing system can disseminate data including the RF signal characteristics to multiple operating systems on at least one vehicle in a network. Disseminating data can include generating a report sent to the operating system(s), generate threat levels and/or alerts based on the severity of RF interference in the geographical location, provide a system use recommendation on operating parameters and/or alternative operating systems for use in the geographical location. A vehicle can also take ameliorative action, such as modifying a travel path based on data disseminated from the RF interference database and/or conduct integrity checks on the operating systems.

IPC 8 full level

G08G 5/00 (2006.01)

CPC (source: EP)

G08G 5/0013 (2013.01); **G08G 5/0021** (2013.01); **G08G 5/0039** (2013.01); **G08G 5/006** (2013.01); **G08G 5/0069** (2013.01)

Citation (applicant)

IN 202211039324 A 20220708

Citation (search report)

- [X1] US 2020037219 A1 20200130 - KUMAR AKASH [IN], et al
- [X1] US 2018004207 A1 20180104 - MICHINI BERNARD J [US], et al
- [X1] JP 2022024732 A 20220209 - HITACHI INT ELECTRIC INC, et al
- [X1] WO 2018019394 A1 20180201 - NOKIA TECHNOLOGIES OY [FI]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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