

Title (en)
VEHICLE-BASED GLOBAL NAVIGATION SATELLITE SYSTEM RECEIVER SYSTEM WITH RADIO FREQUENCY HARDWARE COMPONENT

Title (de)
FAHRZEUGBASIERTES EMPFÄNGERSYSTEM FÜR GLOBALES NAVIGATIONSSATELLITENSYSTEM MIT RADIOFREQUENZ-HARDWAREKOMPONENTE

Title (fr)
SYSTÈME DE RÉCEPTEUR DE SYSTÈME MONDIAL DE NAVIGATION PAR SATELLITE BASÉ SUR UN VÉHICULE ET ÉQUIPÉ D'UN COMPOSANT MATÉRIEL À FRÉQUENCE RADIO

Publication
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Application
EP 15747259 A 20150611

Priority
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• US 2015035346 W 20150611

Abstract (en)
[origin: WO2015191862A1] A vehicle-based radio frequency hardware component comprises first and second antennas, a digitizer, a serializer, and a serial output. The first antenna receives, over-the-air, a first analog Global Navigation Satellite System (GNSS) signal in a first frequency band. The second antenna receives, over-the-air, at least a second analog GNSS signal in a second frequency band. The first frequency band and the second frequency band are separate and distinct. The digitizer digitizes the first analog GNSS signal into a first digitalized GNSS signal and the second analog GNSS signal into a second digitized GNSS signal. The serializer serializes the digitized GNSS signals into a serialized output signal. The serial output communicatively couples the digitized GNSS signals, as the serialized output signal, directly from a location in a vehicle of the radio frequency hardware component to a separate communication device also coupled with the vehicle.

IPC 8 full level
G01S 19/35 (2010.01)

CPC (source: EP)
G01S 19/35 (2013.01); **G01S 19/09** (2013.01)

Citation (search report)
See references of WO 2015191862A1

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