

Title (en)

METHOD FOR DATA COMMUNICATION IN A VEHICLE, AND DATA COMMUNICATION APPARATUS

Title (de)

VERFAHREN ZUR DATENKOMMUNIKATION IN EINEM FAHRZEUG UND DATENKOMMUNIKATIONSVORRICHTUNG

Title (fr)

PROCÉDÉ DE COMMUNICATION DE DONNÉES DANS UN VÉHICULE ET DISPOSITIF DE COMMUNICATION DE DONNÉES

Publication

EP 2700201 A1 20140226 (DE)

Application

EP 12714944 A 20120321

Priority

- DE 102011017332 A 20110416
- EP 2012001228 W 20120321

Abstract (en)

[origin: WO2012143073A1] The present invention relates to a method for data communication in a vehicle (1) between a vehicle-internal device (5, 6, 7) and a mobile appliance (8) that is coupled to the vehicle (1), in which the vehicle-internal device (5, 6, 7) transmits data to a vehicle-internal data communication apparatus (2) via a databus (4) in the vehicle (1), wherein a first data protocol is used, in which arbitration takes place, the data communication apparatus (2) converts the data and the data communication apparatus (2) transmits the converted data to the mobile appliance (8) via a data link. The method according to the invention is characterized in that the data transmission from the vehicle-internal data communication apparatus (2) to the mobile appliance (8) involves the use of a second data protocol, in which no arbitration takes place. In addition, the invention relates to a data communication apparatus (2) which can be used to carry out the method according to the invention.

IPC 8 full level

H04L 12/413 (2006.01); **B60R 16/023** (2006.01); **B60R 16/037** (2006.01); **G01C 21/10** (2006.01); **G01C 21/36** (2006.01); **H04L 12/40** (2006.01); **H04L 12/46** (2006.01); **H04L 29/08** (2006.01); **H04M 1/60** (2006.01)

CPC (source: CN EP US)

G01C 21/26 (2013.01 - CN EP US); **H04L 12/40006** (2013.01 - CN EP US); **H04L 12/4135** (2013.01 - CN EP US); **H04L 12/4625** (2013.01 - CN EP US); **H04L 67/12** (2013.01 - CN EP US); **H04L 69/08** (2013.01 - CN EP US); **H04L 69/18** (2013.01 - CN EP US); **H04M 1/6091** (2013.01 - US); **H04L 2012/40273** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2012143073A1

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

DOCDB simple family (publication)

DE 102011017332 A1 20121018; CN 103609075 A 20140226; CN 105915507 A 20160831; CN 105915507 B 20200612; EP 2700201 A1 20140226; US 10284700 B2 20190507; US 2014106712 A1 20140417; US 2016028868 A1 20160128; US 9172785 B2 20151027; WO 2012143073 A1 20121026

DOCDB simple family (application)

DE 102011017332 A 20110416; CN 201280029472 A 20120321; CN 201610216908 A 20120321; EP 12714944 A 20120321; EP 2012001228 W 20120321; US 201214112159 A 20120321; US 201514873395 A 20151002