

Title (en)

Programmable on-board vehicle diagnostic system

Title (de)

Programmierbares On-Board-Fahrzeugdiagnosesystem

Title (fr)

Système embarqué programmable de diagnostic des véhicules

Publication

EP 2302597 B1 20160420 (EN)

Application

EP 10177504 A 20100917

Priority

IT TV20090177 A 20090917

Abstract (en)

[origin: EP2302597A1] A programmable vehicle diagnostic system (1) comprising: a diagnostic device (2) installed on board a vehicle (3) and configured in such a way as to generate vehicle data through a diagnostic connector (4) provided with a plurality of pins for access to the data (10); an on-board diagnostic module (5) for acquiring the vehicle data, which includes a connector (12) comprising a plurality of pins (13) and designed to be connected in a stable but readily removable way to said diagnostic connector (4); a control unit (14) comprising a plurality of terminals (15) for exchange of vehicle data with the pins (13) of the connector (12); and an electronic switching matrix (16) comprising a plurality of selective interconnection devices (17), each of which can be operated to connect each of the pins (13) of the connector (12) to any one of the terminals (15) of the control unit (14); and an external programming system (6), configured in such a way as to govern via the on-board diagnostic module (5) selective switching of interconnection devices (17) of the electronic switching matrix (16).

IPC 8 full level

G07C 5/00 (2006.01); **G07C 5/08** (2006.01)

CPC (source: EP)

G07C 5/008 (2013.01); **G07C 5/0858** (2013.01)

Cited by

GB2527224A; IT201600099421A1; CN106062829A; CN113960980A; FR3003382A1; CN109213131A; US10438423B2; US8818612B2; US8924071B2; CN103163875A; EP3028903A1; JP2018074579A; WO2015132017A1; WO2018066012A1; WO2013038256A1; WO2016202487A1; JP2013003082A

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2302597 A1 20110330; EP 2302597 B1 20160420; ES 2583681 T3 20160921; IT 1398208 B1 20130214; IT TV20090177 A1 20110318; PL 2302597 T3 20170331

DOCDB simple family (application)

EP 10177504 A 20100917; ES 10177504 T 20100917; IT TV20090177 A 20090917; PL 10177504 T 20100917