

Title (en)

POWER CONTROL APPARATUS FOR A LOAD IN A VEHICLE

Title (de)

LEISTUNGSSTEUERUNGSVORRICHTUNG FÜR EINEN VERBRAUCHER IN EINEM FAHRZEUG

Title (fr)

DISPOSITIF DE COMMANDE DE PUISSANCE POUR UN CONSOMMATEUR DANS UN VÉHICULE

Publication

**EP 3227146 A1 20171011 (DE)**

Application

**EP 15804751 A 20151202**

Priority

- DE 102014224818 A 20141203
- DE 102015201315 A 20150127
- EP 2015078404 W 20151202

Abstract (en)

[origin: WO2016087543A1] A power control apparatus (10, 103) is specified and is configured to vary an electrical power delivered to a load (20, 102). The power control apparatus has a control unit (12) and a temperature recording unit (14, 104). The control unit (12) is configured to obtain a power specification from a power specification unit (30, 107) and to detect an interruption in a connection between the power control apparatus (10, 103) and the power specification unit (30, 107). The temperature recording unit (14, 104) is configured to record a temperature of the power control apparatus (10, 103). If there is an interruption in the connection between the power control apparatus (10, 103) and the power specification unit (30, 107), the control unit (12) is configured to change the electrical power delivered to the load (20, 102) on the basis of the temperature recorded by the temperature recording unit (14, 104). This enables autonomous operation of the power control apparatus even if the connection to the power specification unit is interrupted.

IPC 8 full level

**B60R 16/023** (2006.01); **B60R 16/03** (2006.01); **F02D 41/22** (2006.01); **F02D 41/30** (2006.01); **H02H 7/08** (2006.01)

CPC (source: CN EP US)

**B60R 16/0232** (2013.01 - EP US); **B60R 16/03** (2013.01 - EP US); **B60W 30/1882** (2013.01 - US); **B60W 30/1884** (2013.01 - US); **B66C 13/24** (2013.01 - US); **B66C 13/40** (2013.01 - US); **F02D 41/22** (2013.01 - CN EP US); **F02D 41/222** (2013.01 - EP US); **F02D 41/266** (2013.01 - CN EP US); **F02D 41/3082** (2013.01 - CN EP US); **H02H 7/0844** (2013.01 - EP US); **F02D 41/3845** (2013.01 - CN EP US); **F02D 2200/50** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016087543A1

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)

**DE 102015201315 B3 20160204**; CN 107110049 A 20170829; CN 107110049 B 20201215; EP 3227146 A1 20171011; US 2017253246 A1 20170907; WO 2016087543 A1 20160609

DOCDB simple family (application)

**DE 102015201315 A 20150127**; CN 201580061989 A 20151202; EP 15804751 A 20151202; EP 2015078404 W 20151202; US 201715597814 A 20170517