

Title (en)

Vaporiser unit, in particular for a vehicle heating device

Title (de)

Verdampferbaugruppe, insbesondere für ein Fahrzeugheizgerät

Title (fr)

Unité d'évaporation, en particulier pour un appareil de chauffage de véhicule

Publication

EP 2538135 A3 20150826 (DE)

Application

EP 12172580 A 20120619

Priority

DE 102011077891 A 20110621

Abstract (en)

[origin: EP2538135A2] The component (10) has an electrically excitable ignition element (34) embedded into the structure material of a bottom wall (14). The bottom wall and the ignition element are penetrated through an ignition air inlet opening (40). A vaporization heating element (36) surrounds a liquid inlet opening region e.g. fuel supply line, in a circular segment of the wall. The ignition and/or heating elements are made of ceramic material. A vaporizer medium carrier (12) is made of insulation ceramic material. Porous vaporizer mediums are made of metal foam material or ceramic foam material. The ignition element is designed as a ring segment.

IPC 8 full level

F23D 3/40 (2006.01)

CPC (source: EP US)

F23D 3/40 (2013.01 - EP US); **F23D 2207/00** (2013.01 - EP US); **F23D 2900/21002** (2013.01 - EP US)

Citation (search report)

- [XDYI] EP 1568525 A1 20050831 - DBK DAVID & BAADER GMBH [DE]
- [Y] DE 102009003383 A1 20100805 - WEBASTO AG [DE]
- [Y] US 3458766 A 19690729 - LITTLE ALFRED E

Cited by

US11198347B2; WO2019120692A1

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)

EP 2538135 A2 20121226; EP 2538135 A3 20150826; CN 102836558 A 20121226; CN 102836558 B 20140917;
DE 102011077891 B3 20121206; US 2012328997 A1 20121227; US 9297529 B2 20160329

DOCDB simple family (application)

EP 12172580 A 20120619; CN 201210210010 A 20120621; DE 102011077891 A 20110621; US 201213527681 A 20120620