

Title (en)

Burner Arrangement for a Heating Device and Heating Device, in particular Vehicle Heating Device

Title (de)

Brenneranordnung für ein Heizgerät und Heizgerät, insbesondere Fahrzeugheizgerät

Title (fr)

Dispositif de brûleur pour un appareil de chauffe et appareil de chauffe, en particulier appareil de chauffe de véhicule

Publication

EP 1464893 B1 20110921 (DE)

Application

EP 04007837 A 20040331

Priority

DE 10314836 A 20030401

Abstract (en)

[origin: EP1464893A1] The burner arrangement for a heating unit has a combustion chamber (18), and a flame tube (22) leading combustion products away from the combustion chamber. The flame tube has an inlet section (28) in which the products of combustion enter and an outlet section (36) from which they exit. At least one intermediate outlet section is provided between the inlet and outlet sections and from which emerges a part of the combustion gases from the flame tube. An independent claim is included for a heating unit and especially a heater in a motor vehicle.

IPC 8 full level

F23D 11/00 (2006.01); **F23D 11/40** (2006.01); **B60H 1/03** (2006.01); **B60H 1/22** (2006.01); **F23D 14/20** (2006.01)

CPC (source: EP US)

F23D 11/404 (2013.01 - EP US); **F23D 2213/00** (2013.01 - EP US)

Cited by

EP1681519A3; CN103836788A

Designated contracting state (EPC)

CZ DE FR GB SE

DOCDB simple family (publication)

EP 1464893 A1 20041006; **EP 1464893 B1 20110921**; DE 10314836 A1 20041028; JP 2004309126 A 20041104; RU 2004109907 A 20050920; RU 2270401 C2 20060220; US 2004197723 A1 20041007; US 6872073 B2 20050329

DOCDB simple family (application)

EP 04007837 A 20040331; DE 10314836 A 20030401; JP 2004093012 A 20040326; RU 2004109907 A 20040331; US 81449904 A 20040330