

Title (en)
Heating device, in particular car heating device

Title (de)
Heizgerät, insbesondere Fahrzeugheizgerät

Title (fr)
Dispositif de chauffage, en particulier dispositif de chauffage pour voiture

Publication
EP 1544543 B1 20120815 (DE)

Application
EP 04023242 A 20040929

Priority
DE 10360009 A 20031219

Abstract (en)
[origin: EP1544543A2] Fuel (46) is pumped toward the heater (10) through a large bore tube (36). A plug (38) in the end of the tube has bores for three narrow bore tubes carrying fuel to different parts of the combustion system. The first tube (38) feeds into an igniter with a glow plug (30) in a small chamber (26) with a sintered or a fibrous wall (32). The igniter discharges (28) into a main combustion chamber (22) with a sintered or a fibrous wall (22) promoting evaporation of the fuel. The remaining two narrow bore feed tubes (40,42) discharge (50,52) into the main combustion chamber in different places.

IPC 8 full level
F23K 5/04 (2006.01); **F23K 5/14** (2006.01)

CPC (source: EP)
F23K 5/04 (2013.01); **F23K 5/14** (2013.01); **F23K 2300/20** (2020.05)

Cited by
EP1752323A1

Designated contracting state (EPC)
AT CZ DE PL SE

DOCDB simple family (publication)
EP 1544543 A2 20050622; EP 1544543 A3 20081231; EP 1544543 B1 20120815; DE 10360009 A1 20050728; PL 1544543 T3 20130131

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