

Title (en)
NOZZLE FOR SPRAYING LIQUID FUEL

Title (de)
DÜSE ZUM ZERSTÄUBEN VON FLÜSSIGEM BRENNSTOFF

Title (fr)
BUSE POUR VAPORISER DU COMBUSTIBLE LIQUIDE

Publication
EP 1597515 A1 20051123 (DE)

Application
EP 03727133 A 20030228

Priority
DE 0300666 W 20030228

Abstract (en)
[origin: US2006214030A1] A nozzle for atomization of liquid fuel by air flowing through the nozzle (20), with an air entry area (50), an air exit area (52) and a flow path (54) which connects the air entry area (50) to the air exit area (52), the nozzle (20) being made of ceramic material, an air guidance device (56) being provided in the air entry area (50) which imparts a swirl to the inflowing air, and the air guidance device (56) being an integral part of the nozzle (20). Furthermore, there is a heater (10) equipped with such a nozzle (20) for mobile applications.

IPC 1-7
F23D 11/10

IPC 8 full level
F23D 11/10 (2006.01)

CPC (source: EP US)
F23D 11/107 (2013.01 - EP US); **F23D 2212/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2004076922A1

Designated contracting state (EPC)
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US 54695605 A 20050826; AU 2003233909 A 20030228; CN 03826063 A 20030228; DE 0300666 W 20030228; DE 10394238 T 20030228; EP 03727133 A 20030228; JP 2004568629 A 20030228