

Title (en)
Atomizing nozzle for a burner

Title (de)
Zerstäuberdüse für einen Brenner

Title (fr)
Buse d'atomisation pour un brûleur

Publication
EP 1342950 A3 20031203 (DE)

Application
EP 02025968 A 20021121

Priority
DE 10205573 A 20020211

Abstract (en)
[origin: US2003150932A1] An atomizing nozzle for a burner, especially for a vehicle heater has a flow guide element (16), which provides a flow guide surface (28) and which has an atomizing lip (36) in an end area (34). A fuel feed device (52, 50) is provided for feeding fuel to the flow guide surface (28) at a spaced location from the atomizing lip (36). Provisions are made for the fuel feed device (52, 50) in the flow guide element (16) to comprise a fuel release depression (50), into which opens a fuel feed channel device (52) in a junction area.

IPC 1-7
F23D 11/10

IPC 8 full level
F23D 11/24 (2006.01); **B60H 1/03** (2006.01); **B60H 1/22** (2006.01); **F23D 11/10** (2006.01); **F23D 11/38** (2006.01)

CPC (source: EP US)
F23D 11/107 (2013.01 - EP US); **F23D 2900/11101** (2013.01 - EP US)

Citation (search report)

- [XA] EP 0233330 A1 19870826 - DEUTSCHE FORSCH LUFT RAUMFAHRT [DE]
- [A] EP 0660038 A2 19950628 - ROLLS ROYCE PLC [GB]
- [A] US 6189314 B1 20010220 - YAMAMOTO YOSHIHARU [JP], et al
- [AD] EP 0910776 B
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 04 30 April 1996 (1996-04-30)

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