

Title (en)

ATMOSPHERIC GAS BURNER, ESPECIALLY FOR GAS-HEATED HOME APPLIANCES

Publication

**EP 0052191 A3 19820901 (DE)**

Application

**EP 81106941 A 19810904**

Priority

DE 3043215 A 19801115

Abstract (en)

[origin: EP0052191A2] 1. Atmospheric universal burner, especially for gas-heated domestic appliances, with at least one elongate burner pipe (10, 12) which has in the lower region an orifice (38) for introducing the fuel and which is provided on its head side with slits (62) arranged transversely to its longitudinal axis and intended for the outflow of the fuel and for forming main flames, and with holes (64) for forming auxiliary flames, characterised in that the slits (62) for the main flames are formed between longitudinal edges (72) of tabs (66) on the burner pipe (10, 12), which project from the plane of the head side and which are located opposite one another in pairs, and in that the holes (64) for the auxiliary flames are arranged directly at the ends of the tabs (66) in the plane of the head side.

IPC 1-7

**F23D 13/36**; **F23D 13/02**; **F23D 13/10**

IPC 8 full level

**F23D 14/10** (2006.01); **F23D 14/26** (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP)

**F23D 14/105** (2013.01); **F23D 14/26** (2013.01); **F23D 14/583** (2013.01); **F23D 2900/00003** (2013.01)

Citation (search report)

- [A] DE 1008678 B 19570523 - VAILLANT JOH KG
- [AD] DE 2363611 A1 19740704 - SAUNIER DUVAL
- [A] DE 1915832 A1 19701008 - JUNKERS & CO
- [A] DE 1242531 B 19670622 - VAILLANT JOH KG
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Cited by

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Designated contracting state (EPC)

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**EP 0052191 A2 19820526**; **EP 0052191 A3 19820901**; **EP 0052191 B1 19840711**; DE 3043215 A1 19820624; DE 3164736 D1 19840816; PT 73794 A 19811101; PT 73794 B 19830201; YU 220481 A 19840229; YU 42118 B 19880430

DOCDB simple family (application)

**EP 81106941 A 19810904**; DE 3043215 A 19801115; DE 3164736 T 19810904; PT 7379481 A 19811009; YU 220481 A 19810914