

Title (en)

Burner, in particular for hot air generators or the like

Title (de)

Brenner, insbesondere für Hei luf t er zeu ger oder ähnliches

Title (fr)

Brûleur, en particulier pour des fémérateurs d'air chaud ou analogues

Publication

**EP 0860656 A1 19980826 (EN)**

Application

**EP 98102412 A 19980212**

Priority

IT PC970003 A 19970224

Abstract (en)

The invention relates to a burner to be applied to hot air generators, in heating equipment using ventilated air, comprising a rounded main body (7), mounted on a support (5) that can be applied to the walls of a preferably cylindrical combustion chamber (1), said burner being provided with a connection (8) for gas feeding (9) and, on its end inside the combustion chamber, with a series of radial holes (10) disposed along a circle the axis of which corresponds with the axis of the combustion chamber and which provide jets directed to the outside. At the inlet of the combustion chamber slanted wings (6) are provided, that give the inlet air flow a rotatory motion, so that the flame develops in contact with the inside walls of the combustion chamber (1), keeping them at a very high temperature and increasing the efficiency of the equipment. <IMAGE> <IMAGE>

IPC 1-7

**F23D 14/24**; **F24H 3/00**

IPC 8 full level

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CPC (source: EP)

**F23D 14/24** (2013.01); **F23D 14/58** (2013.01)

Citation (search report)

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- [XAY] US 5147199 A 19920915 - PERTHUIS EDMOND [FR], et al
- [XY] US 3733169 A 19730515 - LEFEBVRE D
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- [XY] DATABASE WPI Section PQ Week 9145, Derwent World Patents Index; Class Q73, AN 91-331169, XP002900066

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