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(11) **EP 0 997 688 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
26.03.2003 Bulletin 2003/13

(51) Int Cl.7: **F23Q 9/04**

(43) Date of publication A2:
03.05.2000 Bulletin 2000/18

(21) Application number: **99500156.7**

(22) Date of filing: **06.09.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **30.10.1998 ES 9802752 U**

(54) **Pilot flame burner with atmospheric sensor**

(57) The pilot burner (1) with atmospheric sensor comprises a vertical tubular body (2), carried on a support plate (8), a safety thermocouple (9) and an ignition plug (10). The body (2) conveys a prior gas-air mixture from a mixing chamber (6) to a shapeable metal plate tube (7), forming an angled portion (7a) for orientation

to a flat outlet faucet (11), which has a neck (17) in the middle to form two fluted parts (11a, 11b), generating two respective flame zones (15a, 15b) of a single divergent open flame, directed at the main burner and the thermocouple, respectively. There is a secondary air aperture (16) in the angled tube portion (7a) to generate and supply the flame (15).

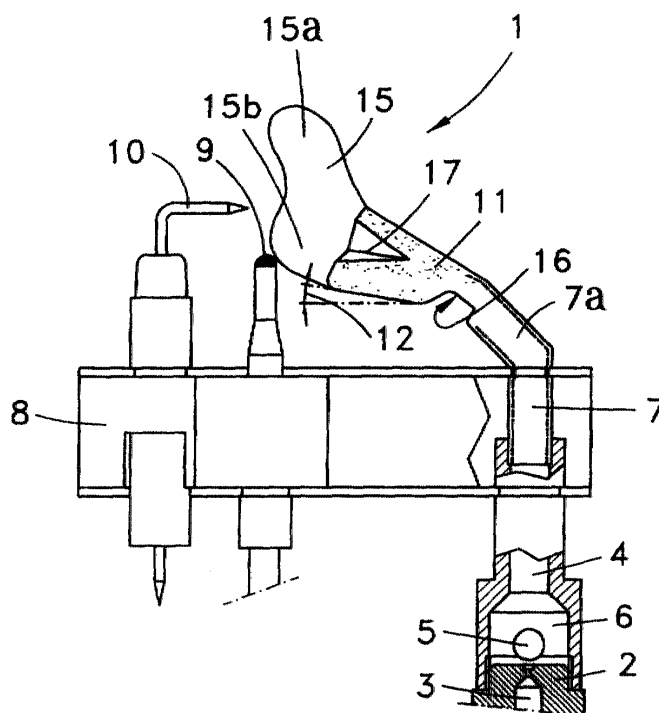


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 99 50 0156

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