Title (en)

Pilot flame burner with atmospheric sensor

Title (de)

Pilotflammenbrenner mit einem Luftdetektor

Title (fr)

Brûleur de flamme pilote avec un capteur d' atmosphère

Publication

EP 0997688 A2 20000503 (EN)

Application

EP 99500156 A 19990906

Priority

ES 9802752 U 19981030

Abstract (en)

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). <IMAGE>

IPC 1-7

F23Q 9/04

IPC 8 full level

F23Q 9/04 (2006.01)

CPC (source: EP)

F23Q 9/04 (2013.01)

Citation (applicant)

- EP 0100758 A2 19840215 - STEFANI & C G PERNUMIA [IT]
- FR 2145168 A7 19730216 - JUNKERS & CO

Designated contracting state (EPC)

DE ES FR GB IT PT

DOCDB simple family (publication)

EP 0997688 A2 20000503; **EP 0997688 A3 20030326**; ES 1041207 U 19990616; ES 1041207 Y 19991016

DOCDB simple family (application)

EP 99500156 A 19990906; ES 9802752 U 19981030