

Title (en)
ADJUSTABLE BURNER EQUIPMENT FOR A GASEOUS FUEL

Publication
EP 0158045 A3 19861230 (DE)

Application
EP 85101655 A 19850215

Priority
DE 3407343 A 19840229

Abstract (en)
[origin: EP0158045A2] 1. A burner system for a gaseous fuel having a gas supply line and an air supply line (16; 8), both of which terminate in the region of a gas and air mixing chamber (13) enclosed by a wall (18), and in said burner system the gas supply and the air supply to the mixing chamber (13) being able to be simultaneously varied in a fixed ratio of gas to air via variable cross-section ducts or ports (28; 20) by means of a mechanism which can be adjusted along the longitudinal axis in accordance with the required burner output, viz. - the gas supply by means of a displaceable conical closure member (21; 121) which protrudes through an adjustment port (20) in the gas supply line (16), and - the air supply by means of a further displaceable member (25) cooperating with the conical closure member (21), characterized in that a) the adjustment port (20) is provided in a diaphragm wall (17) fitted in the gas supply line (16), b) the conical closure member (21; 121) is rigidly joined to a cylindrical box-type component (25) which encloses said closure member and constitutes a further member, its bottom side being open and receiving the stream of gas from the gas supply line (16) and its other side incorporating a gas discharge port (27), c) the wall (18) enclosing the gas and air mixing chamber (13) is cylindrical or quasi-cylindrical and in said wall are set the ducts (28) for the air supply, and d) the box-type component (25) slides inside the wall (18).

IPC 1-7
F23D 14/60

IPC 8 full level
F23D 14/60 (2006.01)

CPC (source: EP)
F23D 14/60 (2013.01)

Citation (search report)
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EP 0158045 A2 19851016; EP 0158045 A3 19861230; EP 0158045 B1 19890531; AT E43701 T1 19890615; DE 3407343 A1 19851121; DE 3407343 C2 19870115; DE 3570738 D1 19890706

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