

Title (en)

ACTUATOR FOR THE TWO-STAGE POWER REGULATION OF A GAS POWER BURNER

Publication

EP 0495358 A3 19930127 (DE)

Application

EP 92100080 A 19920104

Priority

DE 4101260 A 19910117

Abstract (en)

[origin: EP0495358A2] The actuator for the two-stage power regulation of gas power burners is formed by a mixer which is connected upstream of the burner and contains a chamber, into which an air supply and a fuel gas supply open and from which mixing holes of a chamber wall, which is designed as a perforated mixer, lead to the mixture outlet of the mixer. The chamber contains a throttle member which is displaceable in relation to the perforated chamber wall and can be displaced from a full-load position which exposes the mixing holes of the perforated chamber wall into a part-load position, in which the mixing holes of the perforated chamber wall are partially covered by throttle member except for a predetermined smaller passage cross-section which is defined by throttle openings of the throttle member. In the part-load position of the throttle member, a shut-off member, which is displaceable together with the throttle member, closes an additional gas quantity outlet of a gas nozzle forming the opening of the gas supply into the chamber. <IMAGE>

IPC 1-7

F23D 14/62; **F23D 14/60**

IPC 8 full level

F23D 14/60 (2006.01); **F23D 14/62** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP)

F23D 14/60 (2013.01); **F23D 14/62** (2013.01)

Citation (search report)

- [A] EP 0309034 A1 19890329 - FLAMECO ECLIPSE BV [NL]
- [AD] DE 8605654 U1 19870702

Cited by

CN1301383C; ITAN20150060A1; CN114234189A; WO03092875A3; WO2016181212A1

Designated contracting state (EPC)

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