

Title (en)

COMBUSTION AIR FLOW CONTROL APPARATUS FOR COMBUSTION GAS USERS

Publication

EP 0036126 B1 19840411 (DE)

Application

EP 81101522 A 19810304

Priority

DE 3010014 A 19800315

Abstract (en)

[origin: US4396371A] A burner having an air intake at atmospheric pressure, a gas (fuel) supply line and a combustion chamber in which gas from the latter line burns in the presence of atmospheric air drawn in from the intake, is provided with a swingable or rotatable flap-type valve member which controls the volume rate of flow of the air to the combustion site. According to the invention, the position of the valve member is controlled by a parameter generated by the air stream and in response to the pressure in the gas supply line to maintain the air factor (ratio of air to gas) substantially constant. To this end a membrane type pressure detector responds to the pressure in the gas supply line and is connected by a mechanical force transmission mechanism to the flap or other valve element.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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