

Title (en)

GAS COMBUSTION-CONTROLLING METHOD AND GAS COMBUSTION DEVICE

Title (de)

STEUERVERFAHREN FÜR GASVERBRENNUNG UND GASVERBRENNUNGSVORRICHTUNG

Title (fr)

PROCEDE DE REGULATION DE COMBUSTION GAZEUSE ET DISPOSITIF DE COMBUSTION GAZEUSE

Publication

**EP 1617144 A1 20060118 (EN)**

Application

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Priority

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Abstract (en)

A gas combustion device 1 comprises a combustor 11 for burning fuel gas supplied from a gas source, an air blower 15 for adjusting the amount of air in a cylindrical casing 5 which contains the combustor 11 therein; an ejector 7 with a primary air hole 37 for sucking a primary air into a gas passage leading from the gas source to the combustor 11 due to negative pressure caused by flow rate of the fuel gas supplied to the combustor 11 and an ignition device 9 for igniting mixed gas injected from a wick 39 provided ahead of the ejector 7. When fire is set to the mixed gas of the wick 39, ignitability of the mixed gas is improved by decreasing the amount of air in the casing. After ignition, combustion is maintained in the state where combustibility of the combustion gas in the combustor 11 is improved by increasing the amount of air in the casing 5.

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