

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 A4 20070502 (EN)

Application

EP 04717759 A 20040305

Priority

- JP 2004002808 W 20040305
- JP 2003063663 A 20030310

Abstract (en)

[origin: EP1617144A1] 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.

IPC 8 full level

A45D 20/06 (2006.01); **F23D 14/58** (2006.01); **F23N 3/08** (2006.01)

CPC (source: EP KR US)

A45D 20/06 (2013.01 - EP US); **F23D 14/02** (2013.01 - KR); **F23D 14/58** (2013.01 - EP US); **F23N 3/08** (2013.01 - EP US); **F23N 5/00** (2013.01 - KR); **A45D 2020/065** (2013.01 - EP US); **F23C 2201/20** (2013.01 - EP US); **F23D 2203/1012** (2013.01 - EP US); **F23D 2203/105** (2013.01 - EP US); **F23N 2233/04** (2020.01 - EP US)

Citation (search report)

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- [X] JP H08342 A 19960109 - MATSUSHITA ELECTRIC IND CO LTD
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- [E] EP 1535531 A1 20050601 - RE TEC INC [JP]
- See references of WO 2004081450A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1617144 A1 20060118; EP 1617144 A4 20070502; AU 2004219831 A1 20040923; AU 2004219831 B2 20070322; CA 2518430 A1 20040923; CN 1759274 A 20060412; JP WO2004081450 A1 20060615; KR 20050118675 A 20051219; TW 200427948 A 20041216; US 2006194160 A1 20060831; WO 2004081450 A1 20040923

DOCDB simple family (application)

EP 04717759 A 20040305; AU 2004219831 A 20040305; CA 2518430 A 20040305; CN 200480006410 A 20040305; JP 2004002808 W 20040305; JP 2005503498 A 20040305; KR 20057016782 A 20050908; TW 93106202 A 20040309; US 54867905 A 20050907