

Title (en)

Premix combustion device of gas burner

Title (de)

Vormischungs-Verbrennungsvorrichtung eines Gasbrenners

Title (fr)

Dispositif de combustion de prémélange de brûleur à gaz

Publication

EP 2660515 A3 20131204 (EN)

Application

EP 13157362 A 20130301

Priority

KR 20120003532 U 20120430

Abstract (en)

[origin: US2013284115A1] A premix combustion device of a gas burner applicable to a domestic gas boiler or water heater, includes a gas mixture supply pipe to supply gas mixture to the gas burner, and a gas supply and an air supply connected with the gas mixture supply pipe. A damper is provided at a predetermined position in the gas mixture supply pipe to regulate the amount of the gas mixture to be supplied to the gas burner, the degree of opening of the damper is adjusted by an electrically operated valve controlled by a control signal from a controller, and a valve disc arranged to open and close the gas mixture supply pipe according to operation of the valve is provided with a plurality of holes.

IPC 8 full level

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

CPC (source: EP KR US)

F23D 14/60 (2013.01 - EP KR US); **F23N 1/02** (2013.01 - KR); **F23N 1/022** (2013.01 - EP US); **F24C 3/12** (2013.01 - KR); **F24H 9/2035** (2013.01 - EP KR US)

Citation (search report)

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- [X] DE 19728965 A1 19980115 - VAILLANT JOH GMBH & CO [DE]
- [X] EP 1387985 A1 20040211 - BEKAERT COMB TECHNOLOGY BV [NL]

Cited by

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2013284115 A1 20131031; EP 2660515 A2 20131106; EP 2660515 A3 20131204; KR 200469253 Y1 20131001

DOCDB simple family (application)

US 201313873891 A 20130430; EP 13157362 A 20130301; KR 20120003532 U 20120430