

Title (en)

Hot water apparatus operating through gas combustion and provided with an air supply fan and a modulating gas/air control.

Title (de)

Gas-gefeuerte Warmwassereinrichtung und mit einem Luftversorgungsventilator und einer Gas/Luft modulierenden Steuerung ausgerüstet.

Title (fr)

Dispositif à gaz pour eau chaude comprenant un ventilateur d'alimentation et une commande modulée de gaz et d'air.

Publication

EP 0275568 A1 19880727 (EN)

Application

EP 87200097 A 19870123

Priority

EP 87200097 A 19870123

Abstract (en)

For such appliances there is a present requirement that the combustion air is obtained through a fan directly from outside the positioning room of the appliance. Since for a central heating installation one desires a modulating burner flame control in order to approximate the desired room temperature as continuously as possible, then the gas supply and the air supply should be mutually adapted in order to obtain a high burner efficiency. The invention achieves this by means of an air pressure membrane to which a gas pressure control membrane is mechanically coupled.

IPC 1-7

F23N 1/02

IPC 8 full level

F23N 1/02 (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)

F23N 1/027 (2013.01); **F23N 5/18** (2013.01); **F23N 2233/08** (2020.01); **F23N 2235/20** (2020.01); **F23N 2239/04** (2020.01)

Citation (search report)

- [X] US 3101897 A 19630827 - VAUGHN CHARLES O
- [X] FR 2483051 A1 19811127 - HITACHI LTD [JP]
- [A] GB 2018970 A 19791024 - MATSUSHITA ELECTRIC IND CO LTD
- [A] EP 0110071 A1 19840613 - STORDY COMBUSTION ENG [GB]
- [A] FR 2324994 A1 19770415 - LANDIS & GYR AG [CH]

Cited by

EP0390964A3; EP0644377A1; US5520533A; GB2284473A; GB2284473B; AT398622B; EP0887590A1; FR2765313A1; EP0370863A1; FR2639094A1

Designated contracting state (EPC)

BE DE ES FR GB IT LU NL

DOCDB simple family (publication)

EP 0275568 A1 19880727

DOCDB simple family (application)

EP 87200097 A 19870123