

Title (en)

Method for controlling the power of a gas cooking appliance as well as a cooking appliance using this method

Title (de)

Verfahren zur Leistungseinstellung gasbetriebener Gargeräte sowie dieses Verfahren nutzendes Gargerät

Title (fr)

Procédé pour commander la puissance d'un appareil de cuisson à gaz et appareil de cuisson utilisant ce procédé

Publication

EP 1293728 A3 20030827 (DE)

Application

EP 02020203 A 20020910

Priority

DE 10145592 A 20010914

Abstract (en)

[origin: EP1293728A2] The method involves setting complete combustion of a combustion gas air mixture fed to a gas burner by determining the burner's output heating power and the required air ratio for complete combustion, setting the input air rate depending on the output power and air ratio and setting the air ratio by adjusting the input combustion gas rate with the input air rate held constant at the value set. AN Independent claim is also included for the following: a cooker for using the method.

IPC 1-7

F23N 1/02; **F24C 3/12**

IPC 8 full level

F23N 1/02 (2006.01); **F23N 5/20** (2006.01); **F24C 3/12** (2006.01); **F23N 5/00** (2006.01); **F23N 5/02** (2006.01)

CPC (source: EP US)

F23N 1/022 (2013.01 - EP US); **F23N 5/20** (2013.01 - EP US); **F24C 3/128** (2013.01 - EP US); **F23N 5/003** (2013.01 - EP US); **F23N 5/02** (2013.01 - EP US); **F23N 2221/10** (2020.01 - EP US); **F23N 2225/16** (2020.01 - EP US); **F23N 2227/02** (2020.01 - EP US); **F23N 2227/04** (2020.01 - EP US); **F23N 2227/20** (2020.01 - EP US); **F23N 2227/32** (2020.01 - EP US); **F23N 2233/06** (2020.01 - EP US); **F23N 2235/06** (2020.01 - EP US); **F23N 2235/16** (2020.01 - EP US)

Citation (search report)

- [A] DE 10024787 A1 20010301 - VAILLANT JOH GMBH & CO [DE]
- [A] EP 0773409 A1 19970514 - WHIRLPOOL EUROP [NL]

Cited by

CN107270324A; WO2021219582A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1293728 A2 20030319; **EP 1293728 A3 20030827**; **EP 1293728 B1 20041215**; DE 10145592 C1 20030618; DE 50201763 D1 20050120; US 2003054306 A1 20030320; US 6752621 B2 20040622

DOCDB simple family (application)

EP 02020203 A 20020910; DE 10145592 A 20010914; DE 50201763 T 20020910; US 24384802 A 20020913