

Title (en)

GAS BURNER SYSTEM FOR A GAS COOKING HOB

Title (de)

GASBRENNERSYSTEM FÜR EIN GASKOCHFELD

Title (fr)

SYSTÈME DE BRÛLEUR À GAZ POUR PLAQUE DE CUISSON À GAZ

Publication

EP 3270060 B1 20191127 (EN)

Application

EP 16178768 A 20160711

Priority

EP 16178768 A 20160711

Abstract (en)

[origin: EP3270060A1] The present invention relates to a gas burner system (10) for a gas cooking hob, in particular for a domestic gas cooking hob. Said gas burner system (10) comprises a gas burner assembly (12) including a plurality of flame ports. At least one pot support (14) is arranged above and/or around the gas burner assembly (12) and defining a distance between said gas burner assembly (12) and a bottom of a cooking pot. At least one supply air fan (16) is provided for generating an air flow (24) to the gas burner assembly (12). A gas inlet (32) is connectable or connected to a gas supply. A gas regulator (18) is provided for regulating a gas flow from the gas inlet (32) to the gas burner assembly (12). A control unit (20) is provided for controlling the supply air fan (16) and the gas regulator (18). At least one thermocouple (22) is provided for detecting flames above the gas burner assembly (12) and for providing a flame signal (28) to the control unit (20).

IPC 8 full level

F23N 5/10 (2006.01); **F23D 14/04** (2006.01); **F23D 14/34** (2006.01); **F23N 5/20** (2006.01); **F23N 5/24** (2006.01); **F24C 3/08** (2006.01)

CPC (source: EP US)

F23D 14/04 (2013.01 - EP US); **F23D 14/34** (2013.01 - EP US); **F23N 5/105** (2013.01 - EP US); **F23N 5/107** (2013.01 - US); **F23N 5/203** (2013.01 - EP US); **F23N 5/24** (2013.01 - EP US); **F24C 3/085** (2013.01 - EP US); **F23N 2005/181** (2013.01 - EP US); **F23N 2005/185** (2013.01 - EP US); **F23N 2225/06** (2020.01 - EP US); **F23N 2233/08** (2020.01 - EP US); **F23N 2241/08** (2020.01 - EP US)

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

DOCDB simple family (publication)

EP 3270060 A1 20180117; **EP 3270060 B1 20191127**; AU 2017295468 A1 20181220; BR 112019000503 A2 20190424; CN 109416178 A 20190301; US 2019154255 A1 20190523; WO 2018010988 A1 20180118

DOCDB simple family (application)

EP 16178768 A 20160711; AU 2017295468 A 20170703; BR 112019000503 A 20170703; CN 201780041700 A 20170703; EP 2017066440 W 20170703; US 201716313170 A 20170703