

Title (en)
GAS BURNER ASSEMBLY FOR A GAS COOKING APPLIANCE

Title (de)
GASBRENNERANORDNUNG FÜR EINEN GASKOCHER

Title (fr)
ENSEMBLE BRÛLEUR À GAZ POUR UN APPAREIL DE CUISSON À GAZ

Publication
EP 3121515 B1 20190911 (EN)

Application
EP 15177993 A 20150723

Priority
EP 15177993 A 20150723

Abstract (en)
[origin: EP3121515A1] The present invention relates to a gas burner assembly (10) for a gas cooking appliance, in particular for a gas cooking hob. The gas burner assembly (10) comprises an upper burner part (12) and a lower burner part (14), wherein the upper burner part (12) is arranged above the lower burner part (14). The upper burner part (12) includes a central portion and a number of peripheral portions, wherein the peripheral portions extend radially and horizontally from the central portion. An impingement cone (40) is formed at a bottom side of the central portion of the upper burner part (12) and a gas injector (20) is arranged below the impingement cone (40) and directed to said impingement cone (40), so that a gas jet from the gas injector (20) impinges at the impingement cone (40) and said gas jet with dragged atmospheric air is directed to the peripheral portions. A Venturi tube (44) extends between the central portion and the peripheral portions in each case, so that a mixture of gas and air is accelerated to the peripheral portions. A plurality of flame ports (36, 38) is arranged at the circumference of the peripheral portions. Further, the present invention relates to a gas cooking appliance, in particular a gas cooking hob, including at least one gas burner assembly (10).

IPC 8 full level
F23D 14/06 (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP US)
F23D 14/06 (2013.01 - EP US); **F23D 14/70** (2013.01 - EP US); **F23D 2900/00003** (2013.01 - EP US); **F23D 2900/14042** (2013.01 - EP US); **F23D 2900/14064** (2013.01 - 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 3121515 A1 20170125; EP 3121515 B1 20190911; AU 2016296045 A1 20171207; AU 2016296045 B2 20210708; BR 112018000360 A2 20180911; BR 112018000360 B1 20220614; CN 107850298 A 20180327; ES 2755373 T3 20200422; US 2018195718 A1 20180712; WO 2017012826 A1 20170126

DOCDB simple family (application)
EP 15177993 A 20150723; AU 2016296045 A 20160624; BR 112018000360 A 20160624; CN 201680042144 A 20160624; EP 2016064744 W 20160624; ES 15177993 T 20150723; US 201615740040 A 20160624