

Title (en)

Burner for combusting a low-calorific fuel gas

Title (de)

Brenner zur Verbrennung eines niederkalorischen Brenngases

Title (fr)

Brûleur destiné à la combustion d'un gas à faible capacité calorifique

Publication

EP 1998112 A3 20100505 (DE)

Application

EP 08156197 A 20080514

Priority

DE 102007025051 A 20070529

Abstract (en)

[origin: EP1998112A2] The burner (1) has a core air pipe (2) and a gas pipe (6) coaxially arranged around the core air pipe under formation of a ring shaped gas flow cross section (5). A pipe element (8) is arranged around the gas pipe under formation of a secondary air flow cross section (7), and a swirl body (9) is arranged in the gas flow cross section. The swirl body is adjustable for adjusting a speed tangential component, and is designed as a swirl blade. A flow guide ring (11) is arranged at the gas pipe, and consists of a heat-resistant sheet, ceramic material and cast metal i.e. centrifugal casting metal.

IPC 8 full level

F23D 14/24 (2006.01)

CPC (source: EP US)

F23D 14/24 (2013.01 - EP US); **F23D 2900/14002** (2013.01 - EP US)

Citation (search report)

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Cited by

EP2479491A1; WO2012098174A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 08156197 A 20080514; AR P080102230 A 20080528; AU 2008202277 A 20080523; BR PI0801968 A 20080529; CA 2631766 A 20080515; CL 2008001561 A 20080529; CN 200810097786 A 20080529; DE 102007025051 A 20070529; RU 2008119392 A 20080519; UA A200807390 A 20080528; US 12628808 A 20080523; ZA 200804616 A 20080528