

Title (en)
BURNER

Title (de)
BRENNER

Title (fr)
BRÛLEUR

Publication
EP 2283277 B1 20181114 (FR)

Application
EP 09742256 A 20090407

Priority
• FR 2009050593 W 20090407
• FR 0852836 A 20080428

Abstract (en)
[origin: WO2009136058A2] The invention relates to a burner (1) comprising a first external air supply pipe (6) situated on the outside of any other pipe (2, 4, 5, 7), and a second external air supply pipe (7) surrounding a peripheral fuel supply pipe (5) which surrounds a central air supply pipe (2). According to the invention, the first external pipe (6) is delimited by two immovable tubes (8, 9) carrying axial first ducts (10); the second external pipe (7) is delimited by an internal tube (14) carrying open second ducts (15) exhibiting tangential divergence that decreases in the upstream to downstream direction, and by an external tube (9) able to move with respect to the internal tube (14) covering the second ducts (15) and comprising a portion (18) that diverges in the upstream to downstream direction; the entirety of the air flowing through the external pipes (6, 7) emerging via the first and second ducts (10, 15).

IPC 8 full level
F23C 7/00 (2006.01); **F23D 1/00** (2006.01); **F23D 14/58** (2006.01); **F23D 17/00** (2006.01); **F27B 7/34** (2006.01)

CPC (source: EP)
F23C 7/002 (2013.01); **F23D 1/00** (2013.01); **F23D 17/00** (2013.01); **F27D 99/0033** (2013.01)

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2930626 A1 20091030; FR 2930626 B1 20100521; CN 102016412 A 20110413; CN 102016412 B 20120718; CN 102016413 A 20110413; CN 102016413 B 20140402; DK 2283278 T3 20190211; EP 2283277 A2 20110216; EP 2283277 B1 20181114; EP 2283278 A2 20110216; EP 2283278 B1 20181031; ES 2707794 T3 20190405; WO 2009136058 A2 20091112; WO 2009136058 A3 20100114; WO 2009138653 A2 20091119; WO 2009138653 A3 20100114

DOCDB simple family (application)
FR 0852836 A 20080428; CN 200980114963 A 20090421; CN 200980115151 A 20090407; DK 09745972 T 20090421; EP 09742256 A 20090407; EP 09745972 A 20090421; ES 09745972 T 20090421; FR 2009050593 W 20090407; FR 2009050733 W 20090421