

Title (en)

Method for operating a burner arrangement and burner arrangement for implementing the method

Title (de)

Verfahren zum Betrieb einer Brenneranordnung sowie Brenneranordnung zur Durchführung des Verfahrens

Title (fr)

Procédé de fonctionnement d'un agencement de brûleur ainsi qu'agencement de brûleur destiné à la mise en oeuvre du procédé

Publication

EP 2423599 B1 20170517 (DE)

Application

EP 11177535 A 20110815

Priority

CH 13882010 A 20100827

Abstract (en)

[origin: EP2423599A2] The method involves supplying the combustion air containing hot combustion gas (18) to a combustion chamber (13) parallel to a burner wall (15) through a mixing chamber (12) bordered by the burner wall and mixing the combustion air with an injected fuel (19) in the mixing chamber. The cool air (20) from outside the burner wall flows into the mixing chamber through effusion holes (16) in the burner wall.

IPC 8 full level

F23R 3/00 (2006.01); **F23R 3/04** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - EP US); **F23R 3/04** (2013.01 - EP US); **F23R 3/346** (2013.01 - EP US); **F23R 2900/03041** (2013.01 - EP US); **F23R 2900/03044** (2013.01 - US); **F23R 2900/03045** (2013.01 - EP US); **F23R 2900/03341** (2013.01 - EP US)

Cited by

EP2728258A1; EP2759772A1; EP3511625A1; US9765968B2; US11788726B2

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 2423599 A2 20120229; **EP 2423599 A3 20130731**; **EP 2423599 B1 20170517**; CH 703657 A1 20120229; ES 2632755 T3 20170915; JP 2012047443 A 20120308; JP 5896644 B2 20160330; US 2012047908 A1 20120301; US 9157637 B2 20151013

DOCDB simple family (application)

EP 11177535 A 20110815; CH 13882010 A 20100827; ES 11177535 T 20110815; JP 2011183282 A 20110825; US 201113219185 A 20110826