

Title (en)

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

Title (de)

Verfahren zum Betrieb einer Brenneranordnung sowie Brenneranordnung der Durchführung des Verfahrens

Title (fr)

Procédé de fonctionnement d'un agencement de brûleur ainsi qu'agencement de brûleur destiné à l'exécution du procédé

Publication

**EP 2423599 A3 20130731 (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 3/34** (2006.01); **F23R 3/00** (2006.01); **F23R 3/04** (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)

Citation (search report)

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- [Y] EP 2169314 A2 20100331 - ALSTOM TECHNOLOGY LTD [CH]
- [Y] JP S5872822 A 19830430 - HITACHI LTD
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- [A] US 5381652 A 19950117 - MEZZEDIMI VASCO [IT], et al

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EP2728258A1; EP2759772A1; EP3511625A1; US12060995B1; US11788726B2; US9765968B2; US11988145B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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