

Title (en)

Secondary combustion chamber with secondary air inlet

Title (de)

Sekundärbrennkammer mit Sekundärlufteindüsung

Title (fr)

Chambre de combustion secondaire avec injection d'air secondaire

Publication

EP 2587148 B1 20141210 (DE)

Application

EP 12188466 A 20121015

Priority

DE 102011116723 A 20111024

Abstract (en)

[origin: EP2587148A2] The chamber has a flow channel (1) for post-combustion of a combustion gas flow (G) by through-mixing with secondary air (L). The flow channel provides a flow direction for the combustion gas flow. The flow channel comprises a cross-section with a long side (5) and a short side (6). Secondary air nozzles (11-16) for injecting the secondary air open into the flow channel. The nozzles are arranged within an injection section (2) of the flow channel. The nozzles comprise injection directions (R1-R6), which are aligned non parallel to the flow direction. An independent claim is also included for a method for operating a secondary combustion chamber.

IPC 8 full level

F23G 5/16 (2006.01); **F23G 5/18** (2006.01)

CPC (source: EP US)

F23C 3/006 (2013.01 - EP); **F23C 7/00** (2013.01 - EP); **F23G 5/16** (2013.01 - EP); **F23G 5/32** (2013.01 - EP); **F23G 7/10** (2013.01 - EP); **F23L 9/00** (2013.01 - EP US); **F23G 2202/103** (2013.01 - EP)

Cited by

CN108317520A; CN110542097A

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 2587148 A2 20130501; **EP 2587148 A3 20130612**; **EP 2587148 B1 20141210**; DE 102011116723 A1 20130425; PL 2587148 T3 20150529

DOCDB simple family (application)

EP 12188466 A 20121015; DE 102011116723 A 20111024; PL 12188466 T 20121015