

Title (en)

Jet for injecting and metering a treatment medium into the exhaust gas flow in combustion processes

Title (de)

Düse zum Einbringen und Dosieren eines Behandlungsmediums in den Abgasstrom bei Verbrennungsprozessen

Title (fr)

Buse destinée à l'introduction et au dosage d'une substance de traitement dans un flux de gaz d'échappement dans des processus de combustion

Publication

EP 1890081 B1 20170118 (DE)

Application

EP 07010666 A 20070530

Priority

- DE 102006037369 A 20060809
- DE 102007003665 A 20070118

Abstract (en)

[origin: EP1890081A2] The nozzle has an outer casing element (2) and an inner displacement body (1) to form a nozzle gap (14). The displacement body borders a mixing chamber (18) inside the casing element, and has a tapered area (3) in a transitional area between the mixing chamber and the nozzle gap. The mixing chamber communicates with a pressure chamber (6.1) for carrier medium. The feed element (5) supplies treatment medium (9) that enters into the mixing chamber. An independent claim is also included for a method for operating a nozzle.

IPC 8 full level

B05B 1/26 (2006.01); **B05B 7/04** (2006.01); **F23J 15/00** (2006.01)

CPC (source: EP US)

B05B 7/0458 (2013.01 - EP US); **B05B 7/0466** (2013.01 - EP US); **F23J 15/003** (2013.01 - EP US)

Cited by

CN102562231A; CN106257140A; EP3260776A1; BE1023227B1; US10788207B2; WO2016207159A1; WO2017220571A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1890081 A2 20080220; **EP 1890081 A3 20111026**; **EP 1890081 B1 20170118**; CA 2596491 A1 20080209; CA 2596491 C 20120320; DE 102007003665 A1 20080313; DE 102007003665 B4 20170831; DK 1890081 T3 20170306; ES 2615459 T3 20170607; JP 2008036633 A 20080221; JP 5280023 B2 20130904; US 2008035751 A1 20080214; US 7886994 B2 20110215

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