

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 A3 20111026 (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

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

Citation (search report)

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- [Y] US 3693886 A 19720926 - CONRAD SHERMAN E
- [A] WO 9005000 A1 19900517 - JONES DALE GORDON [US]
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CN102562231A; CN106257140A; EP3260776A1; BE1023227B1; US10788207B2; WO2016207159A1; WO2017220571A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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