

Title (en)

Two-fluid nozzle and method for spraying a liquid gas mixture

Title (de)

Zweistoffdüse und Verfahren zum Versprühen eines Flüssigkeit-Gas-Gemisches

Title (fr)

Buse à deux composants et procédé de pulvérisation d'un mélange liquide-gaz

Publication

EP 2772312 B1 20170816 (DE)

Application

EP 14155962 A 20140220

Priority

DE 102013203339 A 20130228

Abstract (en)

[origin: EP2772312A1] The two-component nozzle (10) has a nozzle housing (12) with a liquid inlet and a gas inlet, where the liquid inlet and the gas inlet are opened in a mixing chamber. An outlet chamber is provided between a swirl insert and an outlet opening (18). A throttle is formed at the downstream seated end of the mixing chamber. An intermediate chamber is formed between the throttle and the swirl insert. The throttle has a perforated disk. An independent claim is included for a method for spraying a liquid-gas mixture with a two-component nozzle.

IPC 8 full level

B05B 1/34 (2006.01); **B05B 7/10** (2006.01)

CPC (source: CN EP RU US)

B05B 1/3405 (2013.01 - EP US); **B05B 1/341** (2013.01 - EP US); **B05B 7/0416** (2013.01 - CN); **B05B 7/10** (2013.01 - CN EP US); **B05B 1/3405** (2013.01 - CN RU); **B05B 1/341** (2013.01 - RU); **B05B 7/0408** (2013.01 - RU); **B05B 7/10** (2013.01 - RU)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2772312 A1 20140903; EP 2772312 B1 20170816; BR 102014004488 A2 20151201; BR 102014004488 B1 20201208; CN 104014440 A 20140903; CN 104014440 B 20180130; DE 102013203339 A1 20140828; ES 2644736 T3 20171130; KR 101738581 B1 20170522; KR 20140108165 A 20140905; RU 2014107506 A 20150910; RU 2629068 C2 20170824; UA 116436 C2 20180326; US 2014239081 A1 20140828; US 9180471 B2 20151110

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