

Title (en)
TWO-MATERIAL ATOMIZING DEVICE

Title (de)
ZWEISTOFFZERSTÄUBERVORRICHTUNG

Title (fr)
DISPOSITIF DE PULVERISATION DE DEUX COMPOSANTS

Publication
EP 1915219 B1 20090211 (DE)

Application
EP 06762857 A 20060727

Priority
• EP 2006007432 W 20060727
• DE 102005039412 A 20050820

Abstract (en)
[origin: US2008210771A1] A two-substance atomizing device for atomizing a fluid in a gas stream includes: a fluid supply branch including a nozzle orifice; a gas supply branch configured concentrically about the fluid supply branch; a concentric second gas branch branching from the gas supply branch and disposed upstream of the nozzle orifice, the nozzle orifice terminating in the gas supply branch; an axially symmetric mixing channel disposed in axial extension of the fluid supply branch and including a discharge orifice; an annular injection orifice in communication with the gas supply branch and disposed near the discharge orifice; and an adjustment device configured to adjust a cross section of the injection orifice.

IPC 8 full level
B05B 7/04 (2006.01)

CPC (source: EP US)
B05B 7/0475 (2013.01 - EP US); **B05B 7/0491** (2013.01 - EP US); **F23D 11/102** (2013.01 - EP US); **F23D 11/38** (2013.01 - EP US)

Designated contracting state (EPC)
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US 2008210771 A1 20080904; AT E422395 T1 20090215; CA 2614491 A1 20070301; CN 100574895 C 20091230; CN 101242908 A 20080813; DE 102005039412 A1 20070222; DE 502006002835 D1 20090326; DK 1915219 T3 20090504; EP 1915219 A1 20080430; EP 1915219 B1 20090211; ES 2319692 T3 20090511; JP 2009504400 A 20090205; JP 5032478 B2 20120926; WO 2007022847 A1 20070301; ZA 200707443 B 20081126

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