

Title (en)

Nozzle with constant spray characteristics over a large size range

Title (de)

Scaling-up-Düse

Title (fr)

Buse à caractéristiques de pulvérisation constantes dans une grande plage de dimensions

Publication

EP 0914869 B1 20040107 (DE)

Application

EP 98120050 A 19981023

Priority

DE 19749072 A 19971106

Abstract (en)

[origin: EP0914869A2] The jet (10) has at least three concentric flow channels each leading to a gap-type mouth aperture. One mouth gap (32) spraying a liquid is surrounded on both sides by other gaps (30, 34) for gas output. The gap width (42) of the mouth gap for spraying the liquid is 0.22-2.2 mm wide. The gap width (40, 44) of the gap for gas output is 0.3-2.3 mm. The ratio between the spray mouth gap width and the length of the surrounding gap is between 1:50 and 1:5000.

IPC 1-7

B05B 7/06

IPC 8 full level

B05B 7/06 (2006.01)

CPC (source: EP US)

B05B 7/065 (2013.01 - EP US)

Cited by

FR3009688A1; WO2011124686A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL SE

DOCDB simple family (publication)

EP 0914869 A2 19990512; EP 0914869 A3 20001227; EP 0914869 B1 20040107; AT E257410 T1 20040115; DE 19749072 C1 19990610; DE 59810539 D1 20040212; ES 2212197 T3 20040716; US 6045061 A 20000404

DOCDB simple family (application)

EP 98120050 A 19981023; AT 98120050 T 19981023; DE 19749072 A 19971106; DE 59810539 T 19981023; ES 98120050 T 19981023; US 18353398 A 19981030