

Title (en)

Plasma spray nozzle with internal injection

Title (de)

Plasmaspritzdüse mit innenliegender Injektion

Title (fr)

Tuyère d'injection de plasma dotée d'une injection située à l'intérieur

Publication

EP 2549839 A3 20130424 (DE)

Application

EP 12007145 A 20091104

Priority

- EP 12007145 A 20091104
- EP 09013864 A 20091104

Abstract (en)

[origin: EP2320714A1] The spray nozzle (1) has divergent region containing divergent portion (16). The divergent portion is arranged at the primary end of inner channel (4). The powder injection hole (7) is not formed in divergent region. The powder injection hole is formed close to the secondary end of inner channel. Several external cooling fins are arranged between the divergent portion and powder injection hole.

IPC 8 full level

H05H 1/42 (2006.01)

CPC (source: EP US)

B05B 7/226 (2013.01 - EP US); **C23C 4/134** (2016.01 - US); **H05H 1/3484** (2021.05 - EP); **H05H 1/42** (2013.01 - EP US); **H05H 1/3484** (2021.05 - US)

Citation (search report)

- [XY] US 2008057212 A1 20080306 - DORIER JEAN-LUC [CH], et al
- [XY] US 6114649 A 20000905 - DELCEA LUCIAN BOGDAN [CA]
- [XY] US 2001041227 A1 20011115 - HISLOP GARY A [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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