

Title (en)
Plasma spray device

Title (de)
Plasmaspritzvorrichtung

Title (fr)
Dispositif de pulvérisation par plasma

Publication
EP 1075167 A3 20011212 (DE)

Application
EP 00810085 A 20000131

Priority
DE 19935468 A 19990728

Abstract (en)
[origin: EP1075167A2] The spray coating device has a burner head (1) provided with a discharge jet for the plasma beam (10), acting as an anode and supplied with the coating powder via a feed channel (9) which is radial to the longitudinal axis of the discharge jet. The burner head has at least one gas exit opening (12a) supplied with a gas for preventing deposition of particles of the spray coating material in the vicinity of the discharge jet.

IPC 1-7
H05H 1/42

IPC 8 full level
H05H 1/34 (2006.01); **C23C 4/00** (2006.01); **H05H 1/26** (2006.01); **H05H 1/42** (2006.01)

CPC (source: EP KR)
B05B 7/226 (2013.01 - EP); **H05H 1/3457** (2021.05 - KR); **H05H 1/42** (2013.01 - EP KR)

Citation (search report)
• [XY] EP 0457067 A2 19911121 - PERKIN ELMER CORP [US]
• [Y] US 4661682 A 19870428 - GRUNER HEIKO [CH], et al

Cited by
EP1837081A1; KR20010020643A; WO2006080870A1; US7644872B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 00810085 A 20000131; CA 2303981 A 20000406; DE 19935468 A 19990728; JP 2000036596 A 20000215; KR 20000009726 A 20000228