

Title (en)  
Device for plasma-spraying.

Title (de)  
Vorrichtung zum Plasmaspritzen.

Title (fr)  
Dispositif de pulvérisation par plasma.

Publication  
**EP 0342428 B1 19940216 (DE)**

Application  
**EP 89107896 A 19890502**

Priority  
DE 3816585 A 19880516

Abstract (en)  
[origin: EP0342428A2] The invention relates to a device for carrying out the plasma spraying method under difficult conditions, in which there is arranged at the exit opening (13) of the anode (12) from which the plasma stream (14) emerges a ring nozzle (16) having a defined ring gap (17), through which water is forced at at least 6 bar, and the diameter of the ring nozzle exit (18) is at least five times the diameter of the plasma stream, resulting in a water jacket (19) around the plasma stream (14). <IMAGE>

IPC 1-7  
**H05H 1/42**; **H05H 1/34**; **B05B 7/22**

IPC 8 full level  
**B05B 7/22** (2006.01); **H05H 1/34** (2006.01); **H05H 1/42** (2006.01)

CPC (source: EP)  
**H05H 1/341** (2013.01); **H05H 1/3478** (2021.05); **H05H 1/42** (2013.01)

Cited by  
DE102011052119A1; EP2959992A1; DE102011052120A1; WO2013014211A2; DE102011052121A1; WO2013014213A2; WO2013014214A2; US9580787B2

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0342428 A2 19891123**; **EP 0342428 A3 19891227**; **EP 0342428 B1 19940216**; AT E101781 T1 19940315; DE 3816585 A1 19891123; DE 58906964 D1 19940324

DOCDB simple family (application)  
**EP 89107896 A 19890502**; AT 89107896 T 19890502; DE 3816585 A 19880516; DE 58906964 T 19890502