

Title (en)
PLASMA NOZZLE

Title (de)
PLASMADÜSE

Title (fr)
BUSE A PLASMA

Publication
EP 1236380 B1 20050302 (DE)

Application
EP 00990703 A 20001211

Priority
• DE 29921694 U 19991209
• EP 0012501 W 20001211

Abstract (en)
[origin: US6677550B2] A plasma nozzle for treating surfaces, especially for the pre-treatment of plastic surfaces, with a tubular, electrically conductive housing (10), which forms a nozzle channel (12), through which the working gas is flowing, an electrode (18), disposed coaxially in the nozzle channel, and a high-frequency generator (20) for applying a voltage between the electrode (18) and the housing, the outlet of the nozzle channel (12) is constructed as a narrow slot (32), which extends transversely to the longitudinal axis of the nozzle channel.

IPC 1-7
H05H 1/34

IPC 8 full level
H05B 7/18 (2006.01); **H05H 1/34** (2006.01); **H05H 1/48** (2006.01)

CPC (source: EP US)
H05H 1/34 (2013.01 - EP US); **H05H 1/3468** (2021.05 - EP); **H05H 1/3478** (2021.05 - EP); **H05H 1/3468** (2021.05 - US); **H05H 1/3478** (2021.05 - US)

Cited by
DE102017120017A1; US7875356B2; WO2006117324A1; WO2011107510A1; DE102010055532A1; DE102018132960A1; WO2020126543A1; WO2011113848A1; DE102010011643A1; DE102010011643B4

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US 2002179575 A1 20021205; US 6677550 B2 20040113; AT E290303 T1 20050315; DE 29921694 U1 20010419; DE 50009671 D1 20050407; DK 1236380 T3 20050530; EP 1236380 A1 20020904; EP 1236380 B1 20050302; ES 2237491 T3 20050801; JP 2003518317 A 20030603; JP 3838914 B2 20061025; WO 0143512 A1 20010614

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