

Title (en)

METHOD AND DEVICE FOR PLASMA COATING SURFACES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PLASMA BESCHICHTUNG VON OBERFLÄCHEN

Title (fr)

PROCEDE ET DISPOSITIF SERVANT AU REVETEMENT PAR PLASMA DE SURFACES

Publication

EP 1230414 B1 20041006 (DE)

Application

EP 00926739 A 20000317

Priority

- DE 29919142 U 19991030
- EP 0002401 W 20000317

Abstract (en)

[origin: US6800336B1] A method for coating surfaces, for which a precursor material is caused to react with the help of plasma and the reaction product is deposited on a surface, the reaction as well as the deposition taking place at atmospheric pressure, such that a plasma jet is generated by passing a working gas through an excitation zone and the precursor material is supplied with a lance separately from the working gas to the plasma jet.

IPC 1-7

C23C 4/12; C23C 16/513; B05D 1/08

IPC 8 full level

B05C 9/12 (2006.01); **B05D 1/08** (2006.01); **B05D 3/04** (2006.01); **C23C 4/12** (2006.01); **C23C 4/134** (2016.01); **C23C 8/36** (2006.01); **C23C 16/513** (2006.01); **H05H 1/30** (2006.01); **H05H 1/34** (2006.01); **H05H 1/42** (2006.01)

CPC (source: EP US)

C23C 4/134 (2016.01 - EP US); **C23C 8/36** (2013.01 - EP US); **H05H 1/34** (2013.01 - EP US); **H05H 1/42** (2013.01 - EP US)

Cited by

DE102019102831A1; DE102017122059A1; DE102008029681A1; DE102015121253A1; DE102016101456A1; DE102008058783A1; DE102014219979A1; DE102009048397A1; WO2017129582A1; DE202007018327U1; WO2024068623A1; WO2019057450A1; WO2012123530A1; TWI384085B; DE102011052118A1; WO2013014212A2; WO2021023605A1; EP2644739A1; DE102016104130A1; WO2016050937A1; DE102017130353A1; DE102013111306A1; WO2015055486A1; DE102023106618A1; DE102012102721A1; DE102016104128A1; US9771652B2; WO2011113848A1; DE102010011643A1; DE102010011643B4

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US 6800336 B1 20041005; AT E278817 T1 20041015; DE 29919142 U1 20010308; DE 50008155 D1 20041111; EP 1230414 A1 20020814; EP 1230414 B1 20041006; ES 2230098 T3 20050501; JP 2003514114 A 20030415; JP 4082905 B2 20080430; WO 0132949 A1 20010510

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