

Title (en)

METHOD OF TREATMENT WITH PLASMA AND PLASMATRON

Publication

**EP 0423370 A4 19911121 (DE)**

Application

**EP 90906434 A 19900115**

Priority

- SU 4680291 A 19890331
- SU 4698232 A 19890418

Abstract (en)

[origin: WO9012123A1] A method of treatment with plasma provides for focusing a treating agent fed through an annular slot into a plasma jet, the focusing gas being fed into the confluence point of the jet with the transportation gas-flow carrying the treating component. In a plasmatron two nozzles (22, 23) are mounted after the output electrode (21). Between the output electrode (21) and the first nozzle (22) is provided an annular slot (24) for feeding a treating component, whereas between the nozzles (22, 23) is provided an annular slot (25) for feeding a focusing gas. The surfaces (26, 27) of the first nozzle (22) facing, respectively, the electrode (21) and the second nozzle (23) are oriented at an angle  $\theta$ , whose vertex (28) is located between the outlet opening of the electrode (21) and the inlet opening of the second nozzle (23).

IPC 1-7

**C23C 4/12**; **H05B 7/22**

IPC 8 full level

**H05H 1/42** (2006.01); **C23C 4/12** (2006.01); **H05B 7/18** (2006.01)

CPC (source: EP)

**C23C 4/134** (2016.01)

Citation (search report)

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- [A] EP 0202077 A1 19861120 - ONODA CEMENT CO LTD [JP]
- [A] DE 2155217 A1 19730510 - PHILIPS PATENTVERWALTUNG
- See references of WO 9012123A1

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