

Title (en)
PLASMA TREATMENT DEVICE

Title (de)
PLASMA-BEHANDLUNGSGERÄT

Title (fr)
DISPOSITIF DE TRAITEMENT AU PLASMA

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Application
EP 19794958 A 20191023

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Abstract (en)
[origin: WO2020083993A1] The invention relates to a plasma treatment device (1) designed to treat a surface with a dielectrically hindered plasma, comprising a main part (3) which has at least one flat treatment side (5) that faces the surface to be treated, an electrode assembly (9) which has at least one electrode (7), a dielectricum which completely covers the at least one electrode (7) from the surface to be treated, and a line assembly which comprises at least one high-voltage supply line (13, 13a, 13b), wherein the electrode (7) is connected to the line assembly and can be supplied with a high-voltage signal, which can be applied to the high-voltage supply line (13, 13a, 13b), via the high-voltage supply line (13, 13a, 13b). The plasma treatment device also comprises a nub assembly (15) which is arranged on the treatment side (5) of the main part (3) and which has a plurality of nubs (17). The plasma treatment device according to the invention allows the combination of an effective plasma treatment with an effective mechanical treatment of the surface to be treated in a simple manner in that the at least one electrode (7) of the electrode assembly (9) extends into at least one nub (17) of the nub assembly (15).

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