

Title (en)
DEVICE FOR PLASMA TREATMENT AT ATMOSPHERIC PRESSURE

Title (de)
VORRICHTUNG ZUR PLASMABEHANDLUNG UNTER ATMOSPHERENDRUCK

Title (fr)
DISPOSITIF DE TRAITEMENT AU PLASMA SOUS PRESSION ATMOSPHERIQUE

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Application
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Abstract (en)
[origin: WO2007104512A1] The invention relates to a device (1) for plasma treatment, comprising an electrode (2) upstream of which a dielectric shield (3) is arranged, and an AC high voltage source (6) for applying an AC high voltage to the electrode (2) in order to bring about a dielectrically shielded gas discharge (11) in a gas (10) that is arranged upstream of the dielectric shield (3) and is at atmospheric pressure, thereby producing a plasma (9). For this purpose, pointed structures are distributed across the surface (14) of the electrode (2), said structures facing the gas (10) upstream of the dielectric shield (3), while the dielectric shield (3) of the electrode (2) has a planar outer surface (15) facing the gas (10) upstream of the dielectric shield (3).

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