

Title (en)
DEVICE FOR GENERATING RADIOFREQUENCY PLASMA

Title (de)
VORRICHTUNG ZUR ERZEUGUNG EINES FUNKFREQUENZPLASMAS

Title (fr)
DISPOSITIF DE GENERATION DE PLASMA RADIOFREQUENCE

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Abstract (en)
[origin: WO2009024713A1] The invention relates to a device for generating a radiofrequency plasma, that comprises a voltage generator (5), and at least one ignition assembly (9) that comprises: an ignition plug (4); and a switch (7) provided between a supply terminal of the plug (4) and an output of the generator (5) adapted for electrically connecting the output of the voltage generator (5) to said plug (4) upon the reception of a control signal (V1), wherein the device includes an electronic control unit (UC) generating said control signal (V1). The electronic control unit (UC) includes means (M) for measuring values representative of the evolution in time of the output voltage of the generator (5), and the device (A) includes means for varying the voltage and/or the frequency of the electric current applied to said supply terminal of the plug based on measured values. The evolution of the generator output voltage is representative of the condition of the plug (new or used).

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