

Title (en)
MONITORING OF THE EXCITATION FREQUENCY OF A RADIOFREQUENCY SPARK PLUG

Title (de)
ÜBERWACHUNG DER ERREGUNGSFREQUENZ EINER HOCHFREQUENZZÜNDKERZE

Title (fr)
CONTROLE DE LA FREQUENCE D'EXCITATION D'UNE BOUGIE RADIOFREQUENCE

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Application
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Abstract (en)
[origin: WO2010015757A1] The invention relates to a radiofrequency plasma generating device, comprising: - a control module (30) generating a control signal (V1) at a control frequency, a power supply circuit (20) comprising a breaker switch (M) controlled by the control signal, the breaker switch applying an excitation signal (V2) to an output of the power supply circuit at the frequency defined by the control signal, a resonator (10) exhibiting a resonant frequency of greater than 1 MHz, connected to the output of the power supply circuit and adapted for generating a voltage (U(t)) for making a spark when it is excited by the excitation signal, said device being characterized in that it comprises means (40, 50) for monitoring the control module (30), which means are suitable for modifying the frequency of the resonator excitation signal in a manner synchronous with the control signal, during the application of said excitation signal.

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