

Title (en)

OPTIMISATION OF THE EXCITATION FREQUENCY OF A RADIOFREQUENCY PLUG

Title (de)

OPTIMIERUNG DER ERREGUNGSFREQUENZ EINER FUNKFREQUENZ-ZÜNDKERZE

Title (fr)

OPTIMISATION DE LA FREQUENCE D'EXCITATION D'UNE BOUGIE RADIOFREQUENCE

Publication

**EP 2250366 A1 20101117 (FR)**

Application

**EP 09720587 A 20090219**

Priority

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- FR 0851276 A 20080228

Abstract (en)

[origin: WO2009112731A1] The invention relates to a device for generating a radiofrequency plasma, which comprises a supply module (20) applying, on an output interface, an excitation signal (U) at a setpoint frequency (Fc), adapted for generating a spark (40) at the output of a plasma-generation resonator (30) connected to the output interface of the power module, and a control module (10) supplying the setpoint frequency to the power module upon a command for generating the radiofrequency plasma, wherein said device is characterised in that the control module includes a means for determining an optimal excitation frequency, capable of adapting the setpoint frequency (Fc) to the resonance conditions of the device after formation of the spark.

IPC 8 full level

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CPC (source: EP KR US)

**F02P 9/007** (2013.01 - EP KR US); **F02P 23/04** (2013.01 - EP KR US)

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