

Title (en)

PLASMA GENERATOR AND METHOD FOR CONTROLLING A PLASMA GENERATOR

Title (de)

PLASMAERZEUGER UND VERFAHREN ZUM STEUERN EINES PLASMAERZEUGERS

Title (fr)

GÉNÉRATEUR DE PLASMA ET PROCÉDÉ DE COMMANDE D'UN GÉNÉRATEUR DE PLASMA

Publication

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Application

EP 09741744 A 20090429

Priority

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Abstract (en)

[origin: WO2009135471A1] The invention relates to a plasma generator comprising a housing (20) that surrounds an ionisation chamber (5); at least one working fluid supply line (30) leading into the ionisation chamber (5), said ionisation chamber (5) comprising at least one outlet (21); and at least one electric coil arrangement (4) that surrounds at least one area of the ionisation chamber (5); said coil arrangement (4) being electrically connected to a high-frequency alternating current source (AC) that is designed such that a high frequency electric alternating current is applied to at least one coil of the coil arrangement (4). Said plasma generator is characterised in that an additional current source (DC) is designed such that a DC current or an alternating voltage is applied at a lower frequency than the voltage supplied by the high frequency alternating current source (AC) to at least one coil of the coil arrangement (4), is provided.

IPC 8 full level

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