

Title (en)

SPARK PLUG PROVIDED WITH A MEANS FOR PREVENTING SHORT CIRCUITS

Title (de)

ZÜNDKERZE MIT VORRICHTUNG ZUR VERMEIDUNG VON KURZSCHLÜSSEN

Title (fr)

BOUGIE D'ALLUMAGE ÉQUIPÉE DE MOYENS DE PRÉVENTION DES COURTS-CIRCUITS

Publication

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Application

EP 11730372 A 20110414

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Abstract (en)

[origin: WO2011128589A1] The invention relates to a radio-frequency plasma spark plug which includes: a cylindrical base (2) having a main axis (X) made of a first electrically conductive material; a central electrode (4) made of a second conductive material and extending along the main axis (X) and; a body (3) made of a dielectric material, arranged between said base (2) and said electrode (4), having an internal lateral surface (3b) in contact with the electrode and beyond which an end portion (4a) of the electrode (4) projects, characterised in that said body (3) comprises at least one annular cavity (30) with an axis (X), arranged on the lateral surface (3b) thereof in contact with the electrode (4) such as to modify the lines of the electrostatic field locally at the junction between the outer surface (3a) of said body and the electrode (4).

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