

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

**EP 2559119 B1 20141217 (FR)**

Application

**EP 11730372 A 20110414**

Priority

- FR 1052908 A 20100416
- FR 2011050848 W 20110414

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).

IPC 8 full level

**H01T 13/50** (2006.01)

CPC (source: EP)

**H01T 13/50** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011128589 A1 20111020**; CN 102884686 A 20130116; CN 102884686 B 20140618; EP 2559119 A1 20130220; EP 2559119 B1 20141217; FR 2959071 A1 20111021; FR 2959071 B1 20120727

DOCDB simple family (application)

**FR 2011050848 W 20110414**; CN 201180023522 A 20110414; EP 11730372 A 20110414; FR 1052908 A 20100416