

Title (en)

Radiofrequency plasma spark plug for controlled ignition of internal combustion engines

Title (de)

Radiofrequenzplasmazündkerze für gesteuerte Zündung von Verbrennungsmotoren

Title (fr)

Bougie à plasma radiofréquence pour l'allumage commandé de moteurs à combustion interne

Publication

EP 1732187 B1 20070718 (FR)

Application

EP 06300557 A 20060602

Priority

FR 0505802 A 20050608

Abstract (en)

[origin: EP1732187A1] The radio-frequency plasma plug, containing an inner winding (2) of an electrical conductor wire that forms the inductive part of a high-tension resonator, moulded in an insulating material, has the winding in the form of a bare wire (11) wound on the threaded surface (10) of an insulating mandrel (9) in non-contacting coils. The wire is laid in the thread recesses, which are curved in shape and have a radius of curvature greater than that of the wire.

IPC 8 full level

H01T 13/50 (2006.01)

CPC (source: EP)

H01F 41/098 (2016.01); **H01T 13/50** (2013.01); **H01F 27/325** (2013.01); **H01F 27/327** (2013.01); **H01F 38/12** (2013.01); **H01F 41/127** (2013.01)

Cited by

CN102884686A; EP2065907A1; FR2943724A1

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DOCDB simple family (publication)

EP 1732187 A1 20061213; **EP 1732187 B1 20070718**; AT E367671 T1 20070815; DE 602006000042 D1 20070830; DE 602006000042 T2 20080417; ES 2286812 T3 20071201; FR 2887083 A1 20061215; FR 2887083 B1 20070810

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