

Title (en)
SPARKPLUG FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZÜNDKERZE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
BOUGIE D'ALLUMAGE POUR UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1949514 A1 20080730 (FR)

Application
EP 06831242 A 20060928

Priority

- FR 2006050955 W 20060928
- FR 0553448 A 20051114

Abstract (en)
[origin: WO2007054648A1] Sparkplug (1) for the internal combustion engine of a motor vehicle, of substantially cylindrical overall shape, comprising:
- an essentially capacitive lower part (C) comprising: two coaxial electrodes: an internal electrode of axis (D) termed the central electrode (3) and an external electrode termed the shell (2) surrounding the central electrode (3) an electrically insulating block termed the insulator (4) inserted between the central electrode (3) and the shell (2), - an essentially inductive upper part (I) comprising: a central sleeve (8) surrounded by a coil (5), a bottom end part (57) of which surrounds a top end part (31) of the central electrode (3) an external casing (6), an insulator (7) inserted radially between the casing (6) and the coil (5) characterized in that the top end part (31) of the central electrode (3) has a coating (9) of material which: - has greater electrical conductivity than the material of the central electrode (3), - has no ferromagnetic properties.

IPC 8 full level
H01T 13/39 (2006.01); **H01T 13/44** (2006.01)

CPC (source: EP KR US)
H01T 13/39 (2013.01 - EP KR US); **H01T 13/44** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2007054648A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2893455 A1 20070518; FR 2893455 B1 20071214; AT E465535 T1 20100515; BR PI0618542 A2 20110906; CN 101310422 A 20081119; CN 101310422 B 20120620; DE 602006013867 D1 20100602; EP 1949514 A1 20080730; EP 1949514 B1 20100421; ES 2344157 T3 20100819; JP 2009516342 A 20090416; JP 4869351 B2 20120208; KR 20080072651 A 20080806; RU 2008123858 A 20091227; RU 2402126 C2 20101020; US 2009091232 A1 20090409; US 7915795 B2 20110329; WO 2007054648 A1 20070518

DOCDB simple family (application)
FR 0553448 A 20051114; AT 06831242 T 20060928; BR PI0618542 A 20060928; CN 200680042428 A 20060928; DE 602006013867 T 20060928; EP 06831242 A 20060928; ES 06831242 T 20060928; FR 2006050955 W 20060928; JP 2008540661 A 20060928; KR 20087011383 A 20080513; RU 2008123858 A 20060928; US 9354706 A 20060928