

Title (en)  
SPARK PLUG FOR AN INTERNAL COMBUSTION ENGINE

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

Publication  
**EP 1897193 A1 20080312 (FR)**

Application  
**EP 06726273 A 20060323**

Priority  
• FR 2006050257 W 20060323  
• FR 0551729 A 20050623

Abstract (en)  
[origin: WO2006136742A1] The invention relates to a spark plug (1) for the internal combustion engine of a motor vehicle, said spark plug being embodied with a generally essentially long shape and comprising: an essentially capacitive lower part (C) provided with two coaxial electrodes, one of said electrodes being a central electrode (3), and a threaded shell (2) for screwing in the plug (1) on the engine; an essentially inductive upper part (I) comprising a central winding (5) provided with a plurality of coils (51) which are wound round a coaxial mandrel (8), an envelope (6), and an insulator (7) which is inserted between the envelope (6) and the winding (5). The essentially capacitive part (C) and the essentially inductive part (I) are mechanically interconnected in such a way as to enable the transmission of a clamping couple applied to the envelope (6) to the essentially capacitive lower part (C). The invention is characterised in that the mandrel (8) can be elastically deformed in such a way as to compensate the effects of the dilation of the insulator (7).

IPC 8 full level  
**H01T 13/40** (2006.01); **H01T 13/50** (2006.01)

CPC (source: EP US)  
**H01T 13/40** (2013.01 - EP US); **H01T 13/50** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006136742A1

Cited by  
DE102012110657B3; US9574540B2

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 2887696 A1 20061229; FR 2887696 B1 20070824**; AT E468640 T1 20100615; DE 602006014404 D1 20100701; EP 1897193 A1 20080312; EP 1897193 B1 20100519; ES 2344994 T3 20100913; JP 2008544459 A 20081204; US 2009050123 A1 20090226; US 7652414 B2 20100126; WO 2006136742 A1 20061228

DOCDB simple family (application)  
**FR 0551729 A 20050623**; AT 06726273 T 20060323; DE 602006014404 T 20060323; EP 06726273 A 20060323; ES 06726273 T 20060323; FR 2006050257 W 20060323; JP 2008517553 A 20060323; US 99393006 A 20060323