

Title (en)
SPARK PLUG FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZÜNDKERZE FÜR EINE BRENNKRAFTMASCHINE

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

Publication
EP 1269590 A1 20030102 (DE)

Application
EP 01911425 A 20010206

Priority
• DE 0100452 W 20010206
• DE 10015642 A 20000329

Abstract (en)
[origin: WO0173907A1] The invention relates to a spark plug for an internal combustion engine, comprising at least two electrodes (9, 11). One of said at least two electrodes is at least one center electrode (11) and another electrode of the at least two electrodes is at least one shell electrode (9), a spark gap (13) being formed between the at least one shell electrode (9) and the at least one center electrode (11). Each of the at least two electrodes (9, 11) comprises an electrode base (93, 113). At least one electrode has a highly erosion-resistant section (95, 115) that configures at least a part of the front face of the electrode (97, 117) facing the spark gap. Said highly erosion-resistant section (95, 115) consists of an alloy that contains at least the elements iridium and nickel.

IPC 1-7
H01T 13/39

IPC 8 full level
C22C 5/04 (2006.01); **H01T 13/20** (2006.01); **H01T 13/39** (2006.01)

CPC (source: EP US)
H01T 13/39 (2013.01 - EP US)

Citation (search report)
See references of WO 0173907A1

Citation (third parties)
Third party :
DE 19623795 A1 19961219 - NIPPON DENSO CO [JP]

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0173907 A1 20011004; DE 10015642 A1 20011018; EP 1269590 A1 20030102; JP 2003529198 A 20030930; US 2003122461 A1 20030703; US 6971937 B2 20051206

DOCDB simple family (application)
DE 0100452 W 20010206; DE 10015642 A 20000329; EP 01911425 A 20010206; JP 2001571521 A 20010206; US 24012202 A 20021113