

Title (en)
Spark plug

Title (de)
Zündkerze

Title (fr)
Bougie d'allumage

Publication
EP 0817341 B2 20031210 (EN)

Application
EP 97110583 A 19970627

Priority
• JP 18834796 A 19960628
• JP 33511996 A 19961128

Abstract (en)
[origin: EP0817341A1] Spark plug has a central electrode, an insulator provided exterior to the central electrode, main metallic shell provided exterior to the insulator in such a way that the central electrode protrudes from one end, and a ground electrode coupled at one end to the main metallic shell and which has the other end disposed to face the central electrode 3, with a chip being secured to either the central electrode or the ground electrode or both to form spark discharge gap g. The chip is made of a metal based on Ir which contains Rh in an amount ranging from 3 to 50 wt% (50 wt% being not inclusive). <IMAGE>

IPC 1-7
H01T 13/39

IPC 8 full level
F02P 13/00 (2006.01); **C22C 5/04** (2006.01); **H01T 13/39** (2006.01); **H01T 21/02** (2006.01)

CPC (source: EP US)
H01T 13/39 (2013.01 - EP US); **H01T 21/02** (2013.01 - EP US)

Citation (opposition)
Opponent :
• GB 479540 A 19380208 - ALAN RICHARD POWELL, et al
• EP 0702093 A1 19960320 - JOHNSON MATTHEY PLC [GB]
• EP 0575163 A1 19931222 - NGK SPARK PLUG CO [JP]

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0817341 A1 19980107; EP 0817341 B1 20000906; EP 0817341 B2 20031210; CN 1059293 C 20001206; CN 1170980 A 19980121;
DE 69703011 D1 20001012; DE 69703011 T2 20010111; DE 69703011 T3 20040527; EP 0975075 A2 20000126; EP 0975075 A3 20000202;
JP 3461670 B2 20031027; JP H1074575 A 19980317; KR 100355886 B1 20021226; KR 980006677 A 19980330; US RE43758 E 20121023

DOCDB simple family (application)
EP 97110583 A 19970627; CN 97113548 A 19970627; DE 69703011 T 19970627; EP 99122560 A 19970627; JP 33511996 A 19961128;
KR 19970027677 A 19970626; US 49552406 A 20060731