

Title (en)

SPARK PLUG WITH A PLATINUM TIP ON ITS OUTER ELECTRODE

Publication

EP 0518707 A3 19931118 (EN)

Application

EP 92305477 A 19920615

Priority

JP 14209491 A 19910613

Abstract (en)

[origin: EP0518707A2] In a spark plug which has a center electrode disposed in a metallic shell through an insulator so that a front end of the center electrode forms a spark gap with an outer electrode extended from the metallic shell, the outer electrode has a heat-conductive core metal cladded by a matrix metal which is made from nickel-based alloy containing 10 SIMILAR 20 wt% chromium. A platinum tip is welded to the outer electrode so that a spaced distance between a circumferential edge of the welded portion and a front end of the core metal falls within a range from 0.0 mm to 2.0 mm. <IMAGE>

IPC 1-7

H01T 13/32; **H01T 13/39**

IPC 8 full level

H01T 13/32 (2006.01); **H01T 13/39** (2006.01)

CPC (source: EP)

H01T 13/32 (2013.01); **H01T 13/39** (2013.01)

Citation (search report)

- [X] US 2296033 A 19420915 - HELLER WALTER F
- [A] DE 8811215 U1 19881020

Cited by

US5456624A; US5556315A; EP0725463A1; CZ297483B6; EP1143587A3; AT522986A1; AT522986B1; US8217561B2; US6523515B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0518707 A2 19921216; **EP 0518707 A3 19931118**; **EP 0518707 B1 19960515**; DE 69210686 D1 19960620; DE 69210686 T2 19960919; JP 3226294 B2 20011105; JP H04366581 A 19921218

DOCDB simple family (application)

EP 92305477 A 19920615; DE 69210686 T 19920615; JP 14209491 A 19910613