

Title (en)

CENTRE ELECTRODE FOR SPARKING PLUGS OF INTERNAL COMBUSTION ENGINES

Publication

EP 0401598 B1 19921028 (DE)

Application

EP 90109777 A 19900523

Priority

DE 3918278 A 19890605

Abstract (en)

[origin: EP0401598A1] A centre electrode for sparking plugs of internal combustion engines, which has a core (7) consisting of a base-metal material of good thermal conductivity which is provided in the region of the sparking tip (6) with a noble-metal sheath (8) which consists of silver or of a silver alloy containing a predominant silver component, is to be improved such that no oxides or low-melting eutectic alloys occur at the interface between the core material and the sheath. The characteristic feature of the invention is to be regarded as the fact that at least one dividing layer (9), which is impermeable to oxygen and/or prevents the formation of a eutectic alloy between the core material and the material of the sheath, is provided at the interface between the core material (7) and the sheath (8). <IMAGE>

IPC 1-7

H01T 13/39

IPC 8 full level

H01T 13/39 (2006.01)

CPC (source: EP US)

H01T 13/39 (2013.01 - EP US)

Cited by

EP0559438A3; DE19845018C1; EP0554792A3; US5500304A; WO2015090709A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

EP 0401598 A1 19901212; EP 0401598 B1 19921028; DE 3918278 A1 19901206; DE 59000401 D1 19921203; US 5107169 A 19920421

DOCDB simple family (application)

EP 90109777 A 19900523; DE 3918278 A 19890605; DE 59000401 T 19900523; US 53066490 A 19900530