

Title (en)

Spark plug and method for its production

Title (de)

Zündkerze und Verfahren zu ihrer Herstellung

Title (fr)

Bougie d'allumage et son procédé de fabrication

Publication

EP 2012397 B1 20160824 (DE)

Application

EP 08012086 A 20080704

Priority

- DE 102007031941 A 20070706
- DE 102007052266 A 20071102

Abstract (en)

[origin: EP2012397A2] The plug has an insulator (2) arranged in a body (1) that is made of base metallic materials, and an earth electrode (4) emanating from the body. A molded part (6) is welded to the earth electrode and is turned towards a central electrode (3), where the molded part is made from a set of noble metals. A spacer (9) is provided between the molded part and the earth electrode and is welded to the molded part and the earth electrode. The spacer is formed as a socket and has a thermal expansion co-efficient, which differs from the thermal expansion co-efficient of the earth electrode. An independent claim is also included for a method for reinforcing an earth electrode.

IPC 8 full level

H01T 13/32 (2006.01); **H01T 21/02** (2006.01)

CPC (source: EP)

H01T 13/32 (2013.01); **H01T 21/02** (2013.01)

Citation (examination)

- JP 2005203110 A 20050728 - NGK SPARK PLUG CO
- JP 2004186152 A 20040702 - NGK SPARK PLUG CO

Cited by

DE102015107998A1; US9368943B2; DE102010027463A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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