

Title (en)

Spark plug for high frequency ignition system

Title (de)

Zündkerze für Hochfrequenz-Zündsystem

Title (fr)

Bougie d'allumage pour système d'allumage haute fréquence

Publication

EP 2581998 B1 20191218 (EN)

Application

EP 11185285 A 20111014

Priority

EP 11185285 A 20111014

Abstract (en)

[origin: EP2581998A1] A spark plug (10) for a high frequency ignition system comprises a centre electrode (24) having a front end with a firing tip (28); a tubular insulator member (20) having a front end (26) and an axial bore (22) accommodating the centre electrode (24), the electrode firing tip (28) protruding beyond the insulator front end. A counter electrode (16) comprises a shell portion (12) receiving said tubular insulator member (20). The tubular insulator member (20) comprises a core (30) made from a dielectric material exhibiting a first dielectric constant and a peripheral layer (32) in a material exhibiting a greater dielectric constant that faces the shell (12) portion of the counter electrode.

IPC 8 full level

H01T 13/32 (2006.01); **H01T 13/34** (2006.01); **H01T 13/39** (2006.01); **H01T 13/52** (2006.01); **F02P 3/01** (2006.01)

CPC (source: EP)

H01T 13/32 (2013.01); **H01T 13/34** (2013.01); **H01T 13/39** (2013.01); **H01T 13/52** (2013.01); **F02P 3/01** (2013.01)

Citation (examination)

- EP 2337173 A2 20110622 - BORGWARNER BERU SYSTEMS GMBH [DE]
- US 2009033194 A1 20090205 - JAFFREZIC XAVIER [FR], et al

Cited by

JP2017147087A; DE102014111684B3; CN106194548A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 2581998 A1 20130417; EP 2581998 B1 20191218

DOCDB simple family (application)

EP 11185285 A 20111014