

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

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