Title (en)

IGNITION DEVICE INCLUDING CERAMIC ELECTRODE

Title (de)

ZÜNDUNGSVORRICHTUNG MIT KERAMIKELEKTRODE

Title (fr)

DISPOSITIF D'ALLUMAGE COMPRENANT UNE ÉLECTRODE EN CÉRAMIQUE

Publication

EP 3016220 A1 20160504 (EN)

Application

EP 15188913 A 20151008

Priority

US 201414526862 A 20141029

Abstract (en)

A spark plug and method of construction is provided. The spark plug has a generally annular ceramic insulator extending between a terminal end and a nose end. A conductive shell surrounds at least a portion of the ceramic insulator and a ground electrode having a ground electrode sparking surface is operatively attached to the shell. An elongate center electrode has a body extending between opposite ends. The body of the center electrode is formed of a compacted and sintered conductive or semi-conductive ceramic material. The ceramic material of the body comprises at least one oxide. For example, the body of the center electrode can be formed of a perovskite structure or a spinel structure.

IPC 8 full level

H01T 13/39 (2006.01); **H01T 13/20** (2006.01)

CPC (source: EP)

H01T 13/39 (2013.01); H01T 13/20 (2013.01)

Citation (search report)

- [XI] US 2010052497 A1 20100304 - WALKER JR WILLIAM J [US], et al
- [I] US 4659960 A 19870421 - TOYA AKIHIRO [JP], et al

Cited by

CN112939590A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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