

Title (en)
SPARK PLUG, PARTICULARLY FOR SWIRL CHAMBER

Title (de)
ZÜNDKERZE, INSBESONDERE WIRBELKAMMERZÜNDKERZE

Title (fr)
BOUGIE POUR CHAMBRE DE TURBULENCE

Publication
EP 2815472 B1 20190327 (DE)

Application
EP 13700467 A 20130102

Priority
• DE 102012202335 A 20120216
• EP 2013050016 W 20130102

Abstract (en)
[origin: WO2013120632A1] The present invention relates to a spark plug (1) comprising a central electrode (3) extending along a longitudinal axis (2) of the spark plug (1) and having at least one first spark face (6), and a ground electrode (4) having at least one second spark face (8), wherein the first spark face (6) is arranged opposite the second spark face (8), with the result that an ignition spark can be generated between the first spark face (6) and the second spark face (8), wherein the central electrode (3) is rotatable with respect to the ground electrode (4) coaxially to the longitudinal axis (2), and/or the ground electrode (4) is rotatable with respect to the central electrode (3) coaxially to the longitudinal axis (2), and wherein the first spark face (6) and the second spark face (7) are inclined in such a way that, by rotation of the central electrode (3) with respect to the ground electrode (4) and/or of the ground electrode (4) with respect to the central electrode (3), a distance (18) between the first spark face (6) and the second spark face (8) is adjustable.

IPC 8 full level
H01T 13/54 (2006.01); **H01T 13/12** (2006.01); **H01T 13/26** (2006.01); **H01T 13/32** (2006.01); **H01T 13/46** (2006.01); **H01T 21/06** (2006.01)

CPC (source: EP US)
H01T 13/12 (2013.01 - EP US); **H01T 13/26** (2013.01 - EP US); **H01T 13/32** (2013.01 - EP US); **H01T 13/467** (2013.01 - EP US);
H01T 13/54 (2013.01 - EP US); **H01T 21/06** (2013.01 - EP)

Cited by
WO2022053203A1

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)
WO 2013120632 A1 20130822; AU 2013220663 A1 20140925; AU 2013220663 B2 20170907; BR 112014019843 A2 20170620;
BR 112014019843 A8 20170711; BR 112014019843 B1 20210126; CN 104106186 A 20141015; CN 104106186 B 20161102;
DE 102012202335 A1 20130822; EP 2815472 A1 20141224; EP 2815472 B1 20190327; US 2015028737 A1 20150129;
US 9166378 B2 20151020

DOCDB simple family (application)
EP 2013050016 W 20130102; AU 2013220663 A 20130102; BR 112014019843 A 20130102; CN 201380009629 A 20130102;
DE 102012202335 A 20120216; EP 13700467 A 20130102; US 201314379049 A 20130102