

Title (en)
SPARK PLUG

Title (de)
ZÜNDKERZE

Title (fr)
BOUGIE D'ALLUMAGE

Publication
EP 2443711 A1 20120425 (EN)

Application
EP 10854248 A 20100823

Priority
US 2010046386 W 20100823

Abstract (en)
[origin: WO2012026919A1] A spark plug (10) has a central electrode (12) and a plurality of peripheral electrodes 14. Each peripheral electrode (14) has a lower portion (25) and an upper portion (26). Each upper portion (26) has a distal-most point (28). Each distal-most point (28) is disposed in a central plane (30) within which the longitudinal axis (20) of the distal portion (18) of the central electrode (12) is wholly disposed. The cross-section of each upper portion (26) taken along its central plane (30) defines a convex outer side (32) and a non-convex inner side (34). Each convex outer side (33) has a curved surface (36) which is tangent to a plurality of tangent planes (38), all of which intersect the longitudinal axis (30) of the distal portion (18) of the central electrode (12) at points at or above the distal end (22) of the distal point of the central electrode (12).

IPC 8 full level
H01T 13/32 (2006.01); **H01T 13/46** (2006.01); **H01T 13/52** (2006.01)

CPC (source: EP KR)
H01T 13/20 (2013.01 - KR); **H01T 13/32** (2013.01 - EP); **H01T 13/467** (2013.01 - EP); **H01T 13/52** (2013.01 - EP)

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2012026919 A1 20120301; AU 2010359601 A1 20130307; AU 2010359601 B2 20140731; AU 2010359601 C1 20151112; BR 112013003947 A2 20171219; BR 112013003947 B1 20240109; CA 2809015 A1 20120301; CA 2809015 C 20160209; CN 103155313 A 20130612; CN 103155313 B 20150923; DK 2443711 T3 20140217; EP 2443711 A1 20120425; EP 2443711 A4 20121024; EP 2443711 B1 20131120; ES 2443956 T3 20140221; HK 1163943 A1 20120914; IL 224838 A 20160531; JP 2013536558 A 20130919; JP 5600211 B2 20141001; KR 101439801 B1 20140911; KR 20130062990 A 20130613; MX 2013002090 A 20131202; PL 2443711 T3 20140430; PT 2443711 E 20140217; RU 2013110034 A 20140927; RU 2542351 C2 20150220; ZA 201302062 B 20140226

DOCDB simple family (application)
US 2010046386 W 20100823; AU 2010359601 A 20100823; BR 112013003947 A 20100823; CA 2809015 A 20100823; CN 201080069506 A 20100823; DK 10854248 T 20100823; EP 10854248 A 20100823; ES 10854248 T 20100823; HK 12104199 A 20120427; IL 22483813 A 20130221; JP 2013525872 A 20100823; KR 20137007098 A 20100823; MX 2013002090 A 20100823; PL 10854248 T 20100823; PT 10854248 T 20100823; RU 2013110034 A 20100823; ZA 201302062 A 20130319