(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 2 477 286 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
30.04.2014 Bulletin 2014/18

(43) Date of publication A2:
18.07.2012 Bulletin 2012/29

(21) Application number: **12151260.2**

(22) Date of filing: **16.01.2012**

(51) Int Cl.:
H01T 13/20 *(2006.01)* ***H01T 13/16*** *(2006.01)*
H01T 13/39 *(2006.01)*

(84) Designated Contracting States:
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 States:
BA ME

(30) Priority: **17.01.2011 JP 2011006987**

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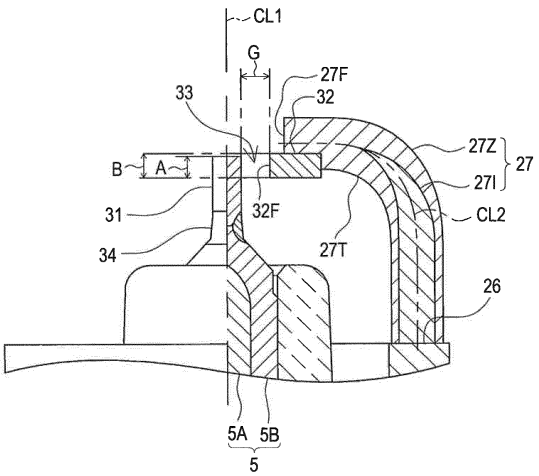
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(54) Spark plug

(57) [Objective] To realize performance superior in both ignitability and wear resistance.

[Means for Solution] A spark plug 1 includes a center electrode side tip 31 and ground electrode side tip 32, wherein a spark discharge gap 33 is formed between the ground electrode side tip 32 and center electrode side tip 31. An area SA1 (mm^2) of a region, on a projection plane onto which the ground electrode side tip 32 and the leading end face of the center electrode side tip 31 are projected on a virtual plane perpendicular to an axis CL1, bounded by a first tangent line TL1, a second tangent line TL2, a projection line of another end face of the ground electrode side tip 32, and a projection line of the outer periphery of the leading end face of the center electrode side tip 31, an area SA2 (mm^2) of a region in which projection regions of the two tip 31 and 32 overlap when the center electrode side tip 31 and the other end face of the ground electrode side tip 32 are projected onto a virtual plane parallel to the other end face of the ground electrode side tip 32, and a size G (mm) of the spark discharge gap 33, satisfy $0.12 \leq SA1 \times SA2/G(mm^2) \leq 0.49$.

FIG.2



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EUROPEAN SEARCH REPORT

Application Number
EP 12 15 1260

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	20 March 2014	Marti Almeda, Rafael

CATEGORY OF CITED DOCUMENTS

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EPO FORM 1503 03.82 (P04C01)

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