

Title (en)
ENGINE

Title (de)
MOTOR

Title (fr)
MOTEUR

Publication
EP 3705714 A4 20211117 (EN)

Application
EP 18872591 A 20181018

Priority
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Abstract (en)
[origin: EP3705714A1] An engine (1) is provided with an ignition device (200). The ignition device (200) is provided with: a central electrode (231); a grounding electrode (232) which is provided corresponding to the central electrode (231) and which is connected to ground (GND); and a potential rise promoting unit (250) disposed between ground (GND) and the grounding electrode (232). According to such a configuration, by raising the potential on the grounding electrode 232 side, an electric field in an electric discharge region formed by the central electrode (231) and the grounding electrode (232) can be strengthened before spark discharge occurs. As a result, the voltage when spark discharge begins can be suppressed, and a deterioration in an electrode unit configured from the central electrode (231) and the grounding electrode (232) can be suppressed.

IPC 8 full level
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F02P 3/0435 (2013.01); **H01T 13/22** (2013.01); **F02P 9/007** (2013.01)

Citation (search report)
• [X] JP 2010096109 A 20100430 - DENSO CORP
• [X] JP 2011150830 A 20110804 - DENSO CORP
• [XA] WO 2017167437 A1 20171005 - ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO KG [DE]
• [A] EP 2687714 A2 20140122 - IMAGINEERING INC [JP]
• See references of WO 2019087799A1

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

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EP 3705714 A1 20200909; **EP 3705714 A4 20211117**; CN 111247331 A 20200605; WO 2019087799 A1 20190509

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