

Title (en)  
Method of manufacturing spark plug

Title (de)  
Verfahren zur Herstellung einer Zündkerze

Title (fr)  
Procédé de fabrication d'une bougie d'allumage

Publication  
**EP 2869413 B1 20191204 (EN)**

Application  
**EP 14189873 A 20141022**

Priority  
JP 2013228834 A 20131101

Abstract (en)  
[origin: EP2869413A1] To improve the accuracy of a judgment as to whether or not a discharge penetrating an insulator has occurred. A spark plug which includes a center electrode extending in an axial direction, an insulator having an axial hole which extends in the axial direction and in which the center electrode is disposed, a metallic shell disposed around the insulator, and a ground electrode electrically connected to the metallic shell and forming a gap in cooperation with the center electrode is manufactured by the following method. An assembly is formed by combining the metallic shell, the insulator, and the center electrode. A voltage is applied between the metallic shell and the center electrode of the assembly. In a period during which the voltage is applied, a judgment as to whether or not a discharge penetrating the insulator has occurred is made by using an output value output from an optical sensor directed toward a forward end portion of the assembly.

IPC 8 full level  
**H01T 13/60** (2011.01); **H01T 21/02** (2006.01)

CPC (source: EP)  
**H01T 13/60** (2013.01); **H01T 21/02** (2013.01)

Cited by  
CN111389985A; EP3121914A1; US10008834B2

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