

Title (en)

SPARK PLUG HAVING A GROUND ELECTRODE HAVING A SMALL CROSS-SECTION

Title (de)

ZÜNDKERZE MIT MASSEELEKTRODE MIT KLEINEM QUERSCHNITT

Title (fr)

BOUGIE D'ALLUMAGE À ÉLECTRODE DE MASSE DE FAIBLE SECTION

Publication

**EP 3235080 B1 20210224 (DE)**

Application

**EP 15804156 A 20151203**

Priority

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Abstract (en)

[origin: WO2016096464A1] The invention relates to a spark plug (1), comprising a housing (2), an insulator (3) arranged in the housing (2), a center electrode (5) arranged in the insulator (3), and a ground electrode (10) arranged on the housing (2), wherein the ground electrode (10) and the center electrode (5) are arranged in relation to each other in such a way that the ground electrode (10) and the center electrode (5) form a spark gap, and wherein the ground electrode (10) has a core (12) and a sheath (11) surrounding the core (12), wherein the core (12) is composed of a material that has a higher thermal conductivity than the material of the sheath (11), and wherein a cross-sectional area of the ground electrode (10) is not greater than 2.76 mm<sup>2</sup>, wherein the sheath (11) has a wall thickness c of not greater than 0.4 mm in a first region (15) of the ground electrode (10).

IPC 8 full level

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US 2007216275 A1 20070920 - TORII KAZUYOSHI [JP], et al

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