

Title (en)

SPARK PLUG AND METHOD FOR PLASMA IGNITION OF MIXTURES CONTAINING FUEL, IN PARTICULAR IN INTERNAL COMBUSTION ENGINES AND INTERNAL COMBUSTION TURBINES

Title (de)

ZÜNDKERZE UND VERFAHREN ZUR PLASMAZÜNDUNG BRENNSTOFFHALTIGER GEMISCHE, INSBESONDERE IN VERBRENNUNGSMOTOREN UND -TURBINEN

Title (fr)

BOUGIE D'ALLUMAGE ET PROCÉDÉ D'ALLUMAGE PAR PLASMA DE MÉLANGES CONTENANT UN COMBUSTIBLE, EN PARTICULIER DANS DES TURBINES ET DES MOTEURS À COMBUSTION INTERNE

Publication

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Application

**EP 11717926 A 20110203**

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Abstract (en)

[origin: WO2011098066A1] In order to increase the efficiency in the plasma ignition of mixtures containing fuel, in particular in internal combustion engines and internal combustion turbines, particles or plasma is magnetically influenced by creating at least one magnetic field in the area of the ignition chamber during each ignition process in order to cause a volume expansion of an ignition-spark plasma, in which a spark plug, containing a central electrode (2) and at least one coil (3), which is connected at one end thereof to ground and which is made of an electrically conducting material, the other end of the coil forming an ignition contact as a ground electrode and lying at a distance from the central electrode, said distance enabling an ignition spark to jump across.

IPC 8 full level

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CPC (source: EP)

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