

Title (en)
SPARKPLUG FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZÜNDKERZE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
BOUGIE D'ALLUMAGE POUR MOTEUR A COMBUSTION INTERNE

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Application
EP 11776221 A 20110908

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Abstract (en)
[origin: WO2012032268A1] The invention relates to a sparkplug (10) comprising an induction coil (28) and an electrode (24). Said induction coil (28) has two end portions (30, 32) (34), said electrode (24) extending in the continuation of one of said two end portions (32). Said induction coil (28) has a conducting wire (36) wound to form a succession of turns (44, 45, 58, 60), said one of said two end portions (32) having a terminal turn (58) connected to said electrode (24). According to the invention, said one of said two end portions (32) comprises a plurality of coaxial end turns (45) which extend between said terminal turn (58) and an upstream turn (60), and said terminal turn (58) has a diameter D58 smaller than the diameter D60 of said upstream turn (60), so as to be able to reduce the strength of the electric field induced in said one of said two end portions (32) near said terminal turn (58).

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