

Title (en)

INTERNAL COMBUSTION ENGINE HAVING A SPARK PLUG WITH AN IMPROVED FIRING FACE

Title (de)

VERBRENNUNGSMOTOR MIT EINER ZÜNDKERZE MIT VERBESSERTER FEUERSEITE

Title (fr)

MOTEUR A COMBUSTION INTERNE POURVU D'UNE BOUGIE D'ALLUMAGE AVEC UNE SURFACE D'ALLUMAGE AMELIOREE

Publication

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Application

**EP 09736895 A 20091008**

Priority

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Abstract (en)

[origin: WO2010043545A1] Internal combustion engine having a resonance based ignition system comprising a sparkplug with a center electrode (8) and a ground electrode (9) facing the combustion side of the engine, fuel being injected in the combustion chamber of the engine in the form of a conical stratified spray (12), characterized in that the ground electrode (9) has a tubular shape coaxial with regards to the center electrode (8) delimiting a coaxial air gap (10) and has an end surface (15) of substantially conical shape, and in that the outer air gap (11) between the end surface (15) of the ground electrode (9) and the mantle line (12) of the conical stratified spray (12) has a substantially conical section.

IPC 8 full level

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