

Title (en)

Spark plug for internal combustion engine

Title (de)

Zündkerze für Verbrennungsmotoren

Title (fr)

Bougie d'allumage pour moteurs à combustion interne

Publication

EP 1079487 B1 20080206 (EN)

Application

EP 00118389 A 20000824

Priority

JP 23886799 A 19990825

Abstract (en)

[origin: EP1079487A1] A spark plug for an internal combustion engine is comprised of a center electrode (3), a cylindrical insulator (2) holding the center electrode in a center hole thereof, a cylindrical metal housing (1) holding the insulator therein, a first earth electrode (4) having a free end disposed opposite the center electrode's edge to form a first discharge gap A, a second earth electrode (5, 6) having a free end disposed opposite the center electrode's side-surface to form a second discharge gap. The free end of the second earth electrode has a cross-sectional area S1 at a portion normally opposite to the insulator's side surface. The insulator's side surface has a projected area S2 to which the free end of the second earth electrode is normally projected. The free end of the second earth electrode is disposed at a portion outside the outside diameter B of the insulator's edge. There is the following relationship between the first discharge gap A and the outside diameter B: $B : 5A - 2.5$ (mm). <IMAGE>

IPC 8 full level

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