

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 A1 20010228 (EN)

Application
EP 00118389 A 20000824

Priority
JP 23886799 A 19990825

Abstract (en)
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: $B : 5A - 2.5 \text{ (mm)}$. <IMAGE>

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CPC (source: EP)
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Citation (search report)
• [A] GB 1373435 A 19741113 - BOSCH GMBH ROBERT & JP S4719236 A
• [PX] EP 0964490 A2 19991215 - NGK SPARK PLUG CO [JP]

Cited by
EP1841028A3; EP1841028A2

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