

Title (en)  
SPARK PLUG FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
ZÜNDKERZE FÜR EINE BRENNKRAFTMASCHINE

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

Publication  
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Application  
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Abstract (en)  
[origin: WO2013026075A1] The invention relates to a spark plug (1) for an internal combustion engine, in particular a gas engine, comprising a middle electrode (2) and at least one earth electrode group (3a, 3b, 3c, 3d), each comprising one or more earth electrode platelets (3'), wherein the middle electrode (2) comprises at least one middle electrode platelet (2') having a middle electrode surface (4a, 4b, 4c, 4d), wherein the middle electrode surface (4a, 4b, 4c, 4d) is inclined in a range from 0° to 50°, preferably to at most 45°, to a cross-sectional plane transverse to the longitudinal axis (L) of the spark plug (1). Each earth electrode platelet (3') of an earth electrode group (3a, 3b, 3c, 3d) has an earth electrode surface (5) facing towards the middle electrode surface (4a, 4b, 4c, 4d), spaced apart from the earth electrode surface (4a, 4b, 4c, 4d) and running substantially parallel to the earth electrode surface (4a, 4b, 4c, 4d), wherein a projection of all earth electrode surfaces (5) of the earth electrode platelets (3') of an earth electrode group (3a, 3b, 3c, 3d) onto the middle electrode surface (4a, 4b, 4c, 4d) associated therewith in the direction of a normal vector (N) of the middle electrode surface (4a, 4b, 4c, 4d) produces in total a notional electrode surface (A), wherein the notional electrode surface (A) has a dimension of 8 mm<sup>2</sup> to 25 mm<sup>2</sup>, wherein each earth electrode surface (5) of the earth electrode platelets (3') of an earth electrode group (3a, 3b, 3c, 3d) is arranged spaced apart in a range from 0.2 mm to 0.8 mm from the at least one middle electrode surface (4a, 4b, 4c, 4d).

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