

Title (en)

SPARK GAP WITH A COOLING AND/OR DAMPING DEVICE

Title (de)

FUNKENSTRECKE MIT KÜHL- UND/ODER DÄMPFUNGSEINRICHTUNG

Title (fr)

ÉCLATEUR DOTÉ D'UN DISPOSITIF D'AMORTISSEMENT ET/OU DE REFROIDISSEMENT

Publication

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Application

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Abstract (en)

[origin: CN105281202A] The present invention relates to a spark gap (1) with cooling and/or damping functions. The spark gap includes: at least one first electrode (FS1) and a second electrode (FS2); at least one ignition auxiliary electrode (ZE) for connecting an ignition circuit. The ignition auxiliary electrode (ZE) is arranged next to the first electrode (FS1) in the space, and spaced from the second electrode (FS2). The ignition auxiliary electrode (ZE) is arranged between the first electrode (FS1) and the second electrode (FS2). A material with lower electric conductivity (BRZ) is putted between the ignition auxiliary electrode (ZE) and the first electrode (FS1) for auxiliary ignition. A plurality of gaskets (S1, S2,...,Sn) are arranged between the auxiliary electrode (ZE) and the second electrode (FS2). AN isolation body is arranged surrounding the ignition auxiliary electrode (ZE) and the first electrode (FS1). Each of the gasket has an opening, and the openings compose an arc channel between the second electrode (FS2) and the first electrode (FS1), and simultaneously, the plurality of gaskets (S1, S2,...,Sn) have cooling and/or damping functions.

IPC 8 full level

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