

Title (en)
SPARK GAP ARRANGEMENT COMPRISING TWO PREFERABLY FLAT, OPPOSING ELECTRODES THAT ARE HELD APART IN A HOUSING BODY

Title (de)
FUNKENSTRECKENANORDNUNG MIT ZWEI IN EINEM GEHÄUSEKÖRPER AUF ABSTAND GEHALTENEN, GEGENÜBERLIEGENDE, BEVORZUGT FLÄCHIGEN ELEKTRODEN

Title (fr)
ENSEMBLE ÉCLATEUR COMPRENANT DEUX ÉLECTRODES DE PRÉFÉRENCE PLANES, PLACÉES EN VIS-À-VIS, MAINTENUES À DISTANCE DANS UN CORPS DE BOÎTIER

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Application
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Abstract (en)
[origin: WO2012022548A1] The invention relates to a spark gap arrangement comprising two preferably flat, opposing electrodes (1) that are held apart in a housing body (13), said electrodes forming an arc combustion chamber, and comprising a gas-cooling and pressure-compensating chamber that is connected to the arc combustion chamber. According to the invention, the housing body (13) is formed from two half-shells (14, 16), each of which has first recesses that lie opposite each other in one plane for electrode connecting limbs (3), said limbs being connected to a connecting terminal (15) on the outside of the housing body. Each of the half-shells (14, 16) has a first space for receiving an insulating material support (11) for the electrodes (1) and a second space for receiving a cooling block (8), which has channels, with a high heat capacity. Furthermore, a U-shaped clamp (9) that is connected to the half-shells in a mechanical and pressure-resistant manner is provided at least in the receiving region of the cooling block (8) such that said clamp encompasses the half-shells (14, 16) on the outside.

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