

Title (en)
ARRANGEMENT FOR IGNITING SPARK GAPS

Title (de)
ANORDNUNG ZUR ZÜNDUNG VON FUNKENSTRECKEN

Title (fr)
ENSEMBLE D'AMORÇAGE D'ÉCLATEURS

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Abstract (en)
[origin: WO2012022547A1] The invention relates to an arrangement for igniting spark gaps with a trigger electrode T which is located on or in one of the main electrodes H2 and is insulated with respect to this main electrode H2, wherein the trigger electrode T is electrically connected to one of the other main electrodes H1 by means of at least one voltage-switching or voltage-monitoring element and there is an air gap between the trigger electrode T and the other main electrode H1. According to the invention, the trigger electrode T forms a sandwich structure with an insulation section I and a layer which is composed of a material M with a lower conductivity than the material of one of the main electrodes, wherein this sandwich structure represents a layered dielectric with the order of a first partial capacitor C1 with the dielectric of the insulation section I and a second partial capacitor CM with the material M as dielectric.

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