

Title (en)

Electro-explosive initiator and method of manufacture

Title (de)

Pyrotechnischer elektrischer Anzünder und Montageverfahren

Title (fr)

Initiateur électropyrotechnique et procédé d'assemblage

Publication

EP 1327850 B1 20060517 (FR)

Application

EP 02290061 A 20020110

Priority

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Abstract (en)

[origin: EP1327850A1] The invention relates to an electro-pyrotechnic initiator comprising a pyrotechnic charge (6) provided with at least one composition, and a plastic housing (1) with two substructures. The first substructure (2) comprises a plastic wall (4) which is fixed to a plastic base (5) so as to form a container. The second plastic substructure (3) has a main axis and is penetrated in the direction of said axis by at least two pins (11, 12) which are connected to each other on one surface (14) of said substructure (3) via an electrical bridge (13). Said surface (14) is symmetrically hollow along a height H and a width L. The second substructure (3) forms a base. The first (2) and second (3) substructures are joined in an air-tight manner by means of ultrasonic welding.

[origin: EP1327850A1] Electro pyrotechnic initiation switch consists of a housing made from two plastic sub-assemblies: a first sub-assembly (2) having a wall (4) and base (5) forming a container for a pre-compressed pyrotechnic charge made from two compounds (7, 8), and a second sub-assembly (3) with two conducting pins (11, 12) in line with its main axis. Electro pyrotechnic initiation switch consists of a housing made from two plastic sub-assemblies: a first sub-assembly (2) having a wall (4) and base (5) forming a container for a pre-compressed pyrotechnic charge made from two compounds (7, 8), and a second sub-assembly (3) with two conducting pins (11, 12) in line with its main axis, connected by an electrical bridge (13) at one end (14) of the sub-assembly. The two sub-assemblies, made from a plastic with a low moisture take-up, are sealed together by ultrasound welding.

IPC 8 full level

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