

Title (en)

METHOD OF PRODUCING AN ELECTRO-PYROTECHNIC INTERFACE BETWEEN AN ELECTROTHERMAL BRIDGE AND A PRIMARY COMPOSITION INSIDE AN INITIATOR, AND INITIATOR THUS OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ELEKTRO-PYROTECHNISCHEN SCHNITTSTELLE ZWISCHEN EINER ELEKTROTHERMISCHEN BRÜCKE UND EINER PRIMÄREN ZUSAMMENSETZUNG IN EINEM ZÜNDER SOWIE SO ERZEUGTER ZÜNDER

Title (fr)

PROCEDE DE REALISATION D'UNE INTERFACE ELECTROPYROTECHNIQUE ENTRE UN PONT ELECTROTHERMIQUE ET UNE COMPOSITION PRIMAIRE AU SEIN D'UN INITIATEUR, INITIATEUR OBTENU

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Application

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Abstract (en)

[origin: WO2006051199A1] The invention relates to a method of producing an electro-pyrotechnic interface between an electrothermal bridge (2) and a primary composition (3) inside an electro-pyrotechnic initiator (1), the latter being intended to produce a pyrotechnic effect when electrical energy above a trigger threshold is sent to the electrothermal bridge (2). The inventive method comprises the following steps consisting in: using a primary composition (3) having thermoplastic properties; assembling the electrothermal bridge (2) and the primary composition (3) with thermoplastic properties inside the initiator (1); and sending softening electrical energy (4) into the electrothermal bridge (2), which heats and softens (5) the primary composition (3) at least in the part that is in contact with the electrothermal bridge (2), said softening electrical energy being below the trigger threshold.

IPC 8 full level

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