

Title (en)

Process for continuous production of pyrotechnical objects

Title (de)

Verfahren zum kontinuierlichen Herstellen von pyrotechnischen Gegenständen

Title (fr)

Procédé de fabrication en continu d'un objet pyrotechnique

Publication

EP 1741690 A2 20070110 (FR)

Application

EP 06116548 A 20060704

Priority

FR 0507191 A 20050706

Abstract (en)

In the continuous manufacturing of propellant loadings and explosive pyrotechnical object comprises supplying an organic mixture into different constituents of an object is done by varying its parameters, so that flowing mixture composition is modified during process. The parameters to vary are based on number, nature and the supply of intervening constituent. The constituents are: mixed within a structure of organic mixture; and results from a preliminary mixture of ingredients such as reticulants, binders, active pre-mixture or pulverulent fillers. In the continuous manufacturing of propellant loadings and explosive pyrotechnical object comprises supplying an organic mixture into different constituents of an object is done by varying its parameters, so that flowing mixture composition is modified during process. The parameters to vary are based on number, nature and the supply of intervening constituent. The constituents are: mixed within a structure of organic mixture; and results from a preliminary mixture of ingredients such as reticulants, binders, active pre-mixture or pulverulent fillers. The supply of organic mixture is electronically controlled by programme. The flow is implemented on a mixture without gas or few gas, to atmospheric pressure through nozzle, which is sealed or opened under vacuum by intermediate degasification grid. The obtained mixture has a viscosity of 200-3000 Pa.s. An independent claim is included for a device to manufacture propellant loadings and explosive pyrotechnical object.

Abstract (fr)

La présente invention a pour objet un procédé (et un dispositif associé) de fabrication en continu d'un objet pyrotechnique (10;20;30;40). Ledit procédé est du type procédé de malaxage et coulée en continu. De façon caractéristique, il est mis en oeuvre avec modification de la composition du mélange coulé. Ledit procédé convient particulièrement à la fabrication d'objets pyrotechniques de grande taille.

IPC 8 full level

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Cited by

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