

Title (en)  
EFFICIENT COMPOSITE PYROTECHNIC PRODUCT WITH NO LEAD IN THE COMPOSITION THEREOF AND PREPARATION OF SAME

Title (de)  
EFFIZIENTES PYROTECHNISCHES VERBUNDPRODUKT OHNE BLEI IN DER ZUSAMMENSETZUNG UND HERSTELLUNG DAVON

Title (fr)  
PRODUIT PYROTECHNIQUE COMPOSITE PERFORMANT SANS PLOMB DANS SA COMPOSITION ET SA PREPARATION

Publication  
**EP 3212594 A1 20170906 (FR)**

Application  
**EP 15808698 A 20151027**

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Abstract (en)  
[origin: WO2016066945A1] The main subject of the present invention is an efficient composite pyrotechnic product, with no lead in the composition thereof, the production of which on an industrial scale does not encounter a problem of pot life of the intermediate paste. Said product contains, in a plasticized binder, comprising a crosslinked energetic polymer and at least one energetic plasticizer, organic energetic fillers and a combustion catalyst. Characteristically, said crosslinked energetic polymer consists of a polyglycidyl azide (PAG), having a number-average molecular mass (Mn) of between 700 and 3000 g/mol, crosslinked, via its terminal hydroxyl functions, with at least one crosslinking agent of polyisocyanate type, and said combustion catalyst consists of bismuth citrate.

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See references of WO 2016066945A1

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