

Title (en)
METHOD FOR PRODUCING SOLID COMPOSITE ALUMINIZED PROPELLANTS, AND SOLID COMPOSITE ALUMINIZED PROPELLANTS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FESTEN ZUSAMMENGESETZTEN ALUMINISIERTEN TREIBSTOFFEN UND FESTE ZUSAMMENGESetzte ALUMINISIERTE TREIBSTOFFE

Title (fr)
PROCEDE D'OBTENTION DE PROPERGOLS SOLIDES COMPOSITES ALUMINISES; PROPERGOLS SOLIDES COMPOSITES ALUMINISES

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Abstract (en)
[origin: WO2011001107A1] The present invention mainly relates to a method for producing a solid composite propellant (with a polyurethane binder filled with ammonium perchlorate and aluminum). Typically, the ammonium perchlorate charge of the propellant is obtained from at least two charges each having a specific single mode particle size distribution. It is thus possible to reduce the thrust oscillations and the alumina deposits at the rear bottom of the engine. The invention also relates to a solid composite propellant, to solid propellant charges, and to related rocket engines.

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