

Title (en)

Process for fabricating high temperature resistant fragmentable propellant charges, the charges thus obtained and their constituent powders.

Title (de)

Verfahren zur Herstellung temperaturbeständiger zerfallsfähiger Treibladungen, entsprechende Treibladungspulver sowie so hergestellte Treibladungen.

Title (fr)

Procédé de fabrication de chargements propulsifs fragmentables résistant à la température, poudres constitutives et chargements ainsi obtenus.

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0446085A1] Propellant charges for small and medium calibre arms. The invention relates to a process for the manufacture of fragmentable propellant charges, which consists in a first stage in coating grains of powder with a mixture of dinitro polystyrene and of a compound of the polyvinyl nitrate and/or polyvinyl acetate type, and in a second stage in compressing between 100 DEG C and 140 DEG C the grains of powder thus obtained. The invention also relates to the fragmentable charges obtained by the process and to the powders in the form of coated grains obtained at the end of the first stage of the process. The fragmentable charges according to the invention exhibit a temperature behaviour which is superior to conventional fragmentable charges and are suitable for caseless ammunition intended for arms with a high rate of fire.

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