

Title (en)

TRIPLE BASE PROPELLANT POWDER AND PROCESS FOR ITS MANUFACTURE

Publication

EP 0218067 B1 19891018 (DE)

Application

EP 86111683 A 19860822

Priority

DE 3532525 A 19850912

Abstract (en)

[origin: US4713127A] Triplebasic propellant powders consist of nitrocellulose, nitroglycerin or an equivalently acting explosive oil and crystalline nitroguanidino, which are processed by mixing with one another and plasticizing the NC by means of a solvent, e.g. acetone, as well as by kneading the mixture and subsequent shaping to solid propellant powder bodies. In order to improve the thermal stability, particularly the cold embrittlement behaviour, at least one organic titanate from the group of monoalkoxy, chelate, quaternary, neoalkoxy, cycloheteroatom or coordinated titanates and/or at least one organic zirconate from the group of neoalkoxy zirconates is added to the propellant powder in a proportion of $\leq 2\%$, preferably $\leq 0.5\%$. This addition improves the chemical stability of the propellant powder.

IPC 1-7

C06B 23/00; **C06B 25/18**; **C06B 25/26**

IPC 8 full level

C06B 23/00 (2006.01); **C06B 25/18** (2006.01); **C06B 25/26** (2006.01)

CPC (source: EP US)

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Cited by

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