

Title (en)

Gun propellant charge and process for producing it.

Title (de)

Treibladung für Rohrwaffen und Verfahren zu ihrer Herstellung.

Title (fr)

Charge de propulsion pour armes à tube et procédé pour sa production.

Publication

EP 0150431 A1 19850807 (DE)

Application

EP 84115678 A 19841218

Priority

DE 3346287 A 19831221

Abstract (en)

1. A propellant charge for tubular weapons, characterized in that it consists of a mixture of at least one mono- or polybasic homogeneous propellant charge powder, of which the particles are of homogeneous material, with at least one heterogeneous propellant charge powder of which the particles consist of a mono- or polybasic base powder with mono- or polybasic powder granulates embedded therein and which, by virtue of its heterogeneous composition, has a pressure characteristic with a negative firing temperature coefficient ; in that the propellant charge powders are adjusted to the same or comparable characteristic values in regard to heat of explosion, force and dimensions ; and in that the mixing ratio between the propellant charge powders is selected so that, in a desired, predetermined nominal firing temperature range, the positive firing temperature coefficient of the homogeneous propellant charge powder is compensated by the negative firing temperature coefficient of the heterogeneous propellant charge powder to give substantially constant burning behavior of the propellant charge.

Abstract (de)

Eine Treibladung für Rohrwaffen mit einem in einem Nebbereich der Bezugstemperatur in etwa konstanten Abbrandverhalten wird aus einer Mischung mindestens eines homogenen Pulvers mit mindestens einem heterogenen Pulver hergestellt.

IPC 1-7

C06B 45/00

IPC 8 full level

C06B 45/00 (2006.01)

CPC (source: EP)

C06B 45/00 (2013.01)

Citation (search report)

- [XD] DE 3008196 A1 19810917 - OVERSOHL WILHELM DIPL CHEM DR
- [AD] DE 2042457 A1 19720309
- [AD] DE 1771087 A1 19720210 - OVERSOHL WILHELM DIPL CHEM DR, et al
- [A] US 3718094 A 19730227 - BERMENDER N
- [A] FR 2234246 A1 19750117 - POUDRES & EXPLOSIFS STE NALE [FR]

Cited by

EP0767155A1; CN113149796A; EP3495338A1; WO2019112437A1

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DOCDB simple family (publication)

EP 0150431 A1 19850807; EP 0150431 B1 19891206; CA 1265344 A 19900206; DE 3346287 A1 19850704; DE 3480649 D1 19900111; ES 538754 A0 19871101; ES 8800120 A1 19871101; IL 73741 A0 19850331; IL 73741 A 19891215; PT 79719 A 19850101; PT 79719 B 19870713

DOCDB simple family (application)

EP 84115678 A 19841218; CA 470528 A 19841219; DE 3346287 A 19831221; DE 3480649 T 19841218; ES 538754 A 19841218; IL 7374184 A 19841205; PT 7971984 A 19841220