

Title (en)
POWDER FOR ACCELERATING PROJECTILES FOR MORTAR SYSTEMS

Title (de)
PULVER ZUR BESCHLEUNIGUNG VON GESCHOSSEN FÜR MÖRSERSYSTEME

Title (fr)
POUDRE POUR ACCÉLÉRER DES PROJECTILES POUR MORTIERS

Publication
EP 2951137 A1 20151209 (DE)

Application
EP 13704344 A 20130129

Priority
CH 2013000017 W 20130129

Abstract (en)
[origin: WO2014117280A1] Powder as propellant powder or ignition powder for accelerating projectiles for mortar systems, which is based on nitrocellulose and contains a crystalline energy carrier based on nitramine in an amount of 1-30 percent by weight and an inorganic muzzle flash suppressor in an amount of 0.1-10 percent by weight. The powder is in the form of particles and the particles optionally have an inert plasticising additive in an amount of not more than 1 percent by weight on their surface. The crystalline energy carrier based on nitramine is preferably at least one compound from the group consisting of hexogen (RDX) and octogen (HMX). The inorganic muzzle flash suppressor is preferably at least one compound from the group consisting of potassium nitrate and potassium sulphate.

IPC 8 full level
C06B 23/04 (2006.01); **C06B 25/18** (2006.01); **C06B 25/34** (2006.01); **C06B 45/12** (2006.01)

CPC (source: EP KR US)
C06B 23/04 (2013.01 - EP KR US); **C06B 25/18** (2013.01 - EP KR US); **C06B 25/34** (2013.01 - EP KR US); **C06B 31/24** (2013.01 - US); **C06B 45/12** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2014117280A1

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DOCDB simple family (publication)
WO 2014117280 A1 20140807; CA 2899260 A1 20140807; CA 2899260 C 20200114; EP 2951137 A1 20151209; EP 2951137 B1 20210303; ES 2872299 T3 20211102; JP 2016511210 A 20160414; JP 6165269 B2 20170719; KR 101944300 B1 20190417; KR 20150122129 A 20151030; PL 2951137 T3 20210830; US 2015321969 A1 20151112

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