

Title (en)
PROPELLANT CHARGE SYSTEM FOR ARTILLERY SHELLS

Title (de)
TREIBLADUNGSSYSTEM FÜR ARTILLERIEGESCHOSSE

Title (fr)
SYSTÈME DE CHARGES EXPLOSIVES POUR PROJECTILES D'ARTILLERIE

Publication
EP 3317606 A1 20180509 (DE)

Application
EP 15739498 A 20150703

Priority
CH 2015000097 W 20150703

Abstract (en)
[origin: WO2017004726A1] The present application relates to a propellant charge system for firing artillery shells comprising at least two partial charges. The partial charges each have one type of powder, which comprises nitrocellulose, at least one crystalline energy carrier and at least a first inert plasticiser. At least one partial charge has a first type of powder and the at least one further partial charge has a second type of powder. The second type of powder has between 2 and 10 percent by weight of a second inert plasticiser in the region of zones near the surface, to a maximum depth of penetration of 400 micrometres, while the first type of powder has no second inert plasticiser in zones near the surface.

IPC 8 full level
F42B 5/38 (2006.01); **C06B 25/18** (2006.01); **C06B 45/00** (2006.01)

CPC (source: EP KR)
C06B 25/18 (2013.01 - EP KR); **C06B 45/00** (2013.01 - EP); **C06B 45/22** (2013.01 - EP KR); **C06B 45/28** (2013.01 - KR);
F42B 5/38 (2013.01 - EP KR)

Citation (search report)
See references of WO 2017004726A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017004726 A1 20170112; CA 2990862 A1 20170112; CA 2990862 C 20220531; EP 3317606 A1 20180509; EP 3317606 B1 20200610;
KR 20180055762 A 20180525

DOCDB simple family (application)
CH 2015000097 W 20150703; CA 2990862 A 20150703; EP 15739498 A 20150703; KR 20177037859 A 20150703