

Title (en)
Propellant

Title (de)
Treibladung

Title (fr)
Charge propulsive

Publication
EP 2388244 A1 20111123 (DE)

Application
EP 11003843 A 20110511

Priority
DE 102010020776 A 20100518

Abstract (en)
Propellant comprises at least one energy carrier, nitrocellulose and cellulose acetate butyrate, where the nitrocellulose is an alcohol soluble and serves as a binder and the concentration of nitrocellulose is at least 15 wt.%.

Abstract (de)
Die Erfindung betrifft eine Treibladung (TL) für Rohr Waffen mit mindestens einem Energieträger sowie Nitrocellulose (NC) und Celluloseacetatbutyrat (CAB), wobei zumindest ein Teil der NC alkohollösliche NC ist, wobei die NC als Bindemittel dient und dazu in einer Konzentration von mindestens 15 Gew.-% in der TL enthalten ist.

IPC 8 full level
C06B 25/18 (2006.01); **C06B 25/20** (2006.01); **C06B 25/34** (2006.01); **C06B 45/10** (2006.01)

CPC (source: EP US)
C06B 25/20 (2013.01 - EP US); **C06B 25/34** (2013.01 - EP US); **C06B 45/105** (2013.01 - EP US)

Citation (applicant)
• EP 0960083 B1 20040825 - DIEHL STIFTUNG & CO KG [DE]
• WO 9517358 A1 19950629 - THIOKOL CORP [US]

Citation (search report)
• [XY] EP 1932817 A1 20080618 - NITROCHEMIE WIMMIS AG [CH]
• [XY] DE 3744680 A1 19911128 - ROYAL ORDNANCE PLC [GB]
• [IY] WO 0003960 A1 20000127 - ALLIANT TECHSYSTEMS INC [US]
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• [Y] WO 9013528 A2 19901115 - NITROCHEMIE GMBH [DE]
• [Y] US 2001017175 A1 20010830 - MANGUM MICHAEL G [US], et al
• [Y] DE 102005037017 A1 20070208 - FRAUNHOFER GES FORSCHUNG [DE]
• [Y] DE 102004004529 A1 20040812 - DEUTSCH FRANZ FORSCH INST [FR]
• [A] FR 2680782 A1 19930305 - POUDRES & EXPLOSIFS STE NALE [FR]

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CN103864546A

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)
EP 2388244 A1 20111123; **EP 2388244 B1 20130306**; DE 102010020776 A1 20111124; DE 102010020776 B4 20150305;
US 2011284140 A1 20111124; US 8795451 B2 20140805

DOCDB simple family (application)
EP 11003843 A 20110511; DE 102010020776 A 20100518; US 201113110158 A 20110518