

Title (en)

COMPOSITE PYROTECHNICAL PRODUCT WITH NON-CROSSLINKED BINDER AND METHOD FOR PREPARING SAME

Title (de)

PYROTECHNISCHES ZUSAMMENGESETZTES PRODUKT MIT UNVERNETZTEM BINDEMITTEL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

PRODUIT PYROTECHNIQUE COMPOSITE A LIANT NON RETICULE ET SON PROCEDE DE PREPARATION

Publication

EP 3071537 A1 20160928 (FR)

Application

EP 14809915 A 20141121

Priority

- FR 1302707 A 20131122
- FR 2014000250 W 20141121

Abstract (en)

[origin: WO2015075327A1] The present invention relates to composite pyrotechnical products, in particular to propellant powders for barrelled weapons, in which the composition, expressed in weight percentages, includes: 78 % to 90 %, advantageously 80 % to 86 %, of organic energy loads; and 10 % to 22 % of a polymer gum, selected among the polyurethane-polyester gums, the polyurethane-polyether gums and the mixtures thereof, in which the average molecular weight by number is higher than 20,000 g/mol and in which the Mooney viscosity is from 20 to 70 ML (5 + 4) at 100 °C. The invention also relates to the method for obtaining said products. Said products are particularly useful given the properties thereof and how easily they can be obtained.

IPC 8 full level

C06B 21/00 (2006.01); **C06B 45/10** (2006.01)

CPC (source: EP US)

C06B 21/0025 (2013.01 - EP US); **C06B 45/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2015075327A1

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 2015075327 A1 20150528; CA 2930486 A1 20150528; EP 3071537 A1 20160928; EP 3071537 B1 20170816; FR 3013705 A1 20150529; FR 3013705 B1 20160701; PL 3071537 T3 20180228; US 2016289133 A1 20161006

DOCDB simple family (application)

FR 2014000250 W 20141121; CA 2930486 A 20141121; EP 14809915 A 20141121; FR 1302707 A 20131122; PL 14809915 T 20141121; US 201415038116 A 20141121