

Title (en)

Semicontinuuous process for making an explosive composite charge having a polyurethane matrix by using two components

Title (de)

Semikontinuierliches Verfahren zur Herstellung einer explosiven Komposit-Ladung mit einer Polyurethanmatrix durch Verwendung von zwei Komponenten

Title (fr)

Procédé semi-continu d'obtention d'un chargement explosif composite à matrice polyuréthane, ledit procédé mettant en oeuvre deux composants

Publication

**EP 1333015 A3 20050921 (FR)**

Application

**EP 03290123 A 20030117**

Priority

FR 0201213 A 20020201

Abstract (en)

[origin: EP1333015A2] Semi-continuous production of a composite explosive charge (I) consisting of a solid polyurethane matrix filled with powder (II) containing nitrated organic explosive(s), by charging a mold with a paste obtained by mixing a polyol prepolymer (III), plasticizer (IV), polyisocyanate monomer (V) and (II) then thermally crosslinking. Semi-continuous production of a composite explosive charge (I) consisting of a solid polyurethane matrix filled with powder (II) containing nitrated organic explosive(s), by charging a mold with a paste obtained by mixing a polyol prepolymer (III), plasticizer (IV), polyisocyanate monomer (V) and (II) then thermally crosslinking, includes: (i) discontinuously forming the following homogeneous mixtures by simple mixing: (a) a paste comprising the whole of (II) and (III); and (b) a liquid comprising the whole of (V) ((IV) being distributed between (a) and/or (b) as required); and (ii) continuously mixing (a) and (b) at a weight ratio of 95-99.5 : 5-0.5.

IPC 1-7

**C06B 21/00**; **C06B 45/10**

IPC 8 full level

**C06B 21/00** (2006.01); **C06B 25/00** (2006.01); **C06B 45/10** (2006.01)

CPC (source: EP KR US)

**C06B 21/0058** (2013.01 - EP US); **C06B 45/10** (2013.01 - EP KR US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1333015 A2 20030806**; **EP 1333015 A3 20050921**; **EP 1333015 B1 20091104**; AT E447545 T1 20091115; AU 2003200305 A1 20030821; AU 2003200305 B2 20080403; BR 0300166 A 20030909; BR 0300166 B1 20131001; CA 2418319 A1 20030801; CA 2418319 C 20081104; DE 60329878 D1 20091217; DK 1333015 T3 20100322; ES 2333948 T3 20100303; FR 2835519 A1 20030808; FR 2835519 B1 20041119; IL 153983 A0 20030731; IL 153983 A 20050925; JP 2004035390 A 20040205; JP 3740128 B2 20060201; KR 100952063 B1 20100413; KR 20030066413 A 20030809; NO 20030488 D0 20030130; NO 20030488 L 20030804; NO 329572 B1 20101115; PT 1333015 E 20100202; SG 105568 A1 20040827; SI 1333015 T1 20100226; TW 200302815 A 20030816; TW 593213 B 20040621; US 2005115652 A1 20050602; US 6916390 B2 20050712; ZA 200300557 B 20030822

DOCDB simple family (application)

**EP 03290123 A 20030117**; AT 03290123 T 20030117; AU 2003200305 A 20030131; BR 0300166 A 20030130; CA 2418319 A 20030130; DE 60329878 T 20030117; DK 03290123 T 20030117; ES 03290123 T 20030117; FR 0201213 A 20020201; IL 15398303 A 20030116; JP 2003025981 A 20030203; KR 20030006273 A 20030130; NO 20030488 A 20030130; PT 03290123 T 20030117; SG 200300161 A 20030123; SI 200331729 T 20030117; TW 92102021 A 20030129; US 34141203 A 20030114; ZA 200300557 A 20030121