

Title (en)

Hydrocarbon binder containing pyrotechnic gas-generating compositions and method for continuous manufacturing

Title (de)

Kohlenwasserstoffbindemittel enthaltende pyrotechnische gaserzeugende Zusammensetzungen und Verfahren zur kontinuierlichen Herstellung

Title (fr)

Compositions pyrotechniques génératrices de gaz à liant hydrocarboné et procédé de fabrication en continu

Publication

**EP 1216977 B1 20050727 (FR)**

Application

**EP 01403255 A 20011214**

Priority

FR 0016879 A 20001222

Abstract (en)

[origin: US2002079031A1] The invention relates to gas-generating pyrotechnic compositions and to a continuous process which allows them to be prepared. Such compositions comprise a hydrocarbonaceous binder, a nitrogenous organic compound and an oxidizing filler comprising ammonium perchlorate and a chlorine scavenger. The binder is composed either of the combination of a polyester gum and of a polyester resin or of the combination of an acrylic gum and of a plasticizer for this gum. The solids (A) and the liquids (B) are introduced into the twin-screw mixer-extruder (1) via two different feed openings. The constituents are then conveyed and kneaded in the compartment (2), so as to obtain a homogeneous paste. This paste is subsequently degassed in the compartment (3) and then extruded in the form of rods (8). These rods are cut up into charges (9).

IPC 1-7

**C06D 5/06**; **C06B 29/22**; **C06B 21/00**

IPC 8 full level

**B60R 21/26** (2006.01); **B01J 7/00** (2006.01); **C06B 21/00** (2006.01); **C06B 23/00** (2006.01); **C06B 23/02** (2006.01); **C06B 25/00** (2006.01); **C06B 25/34** (2006.01); **C06B 29/22** (2006.01); **C06B 31/08** (2006.01); **C06B 31/12** (2006.01); **C06B 33/00** (2006.01); **C06D 5/00** (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP KR US)

**C06B 21/0075** (2013.01 - EP US); **C06B 25/00** (2013.01 - KR); **C06B 29/22** (2013.01 - EP US); **C06B 33/00** (2013.01 - KR); **C06D 5/00** (2013.01 - KR); **C06D 5/06** (2013.01 - EP US)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1216977 A2 20020626**; **EP 1216977 A3 20020911**; **EP 1216977 B1 20050727**; AT E300508 T1 20050815; BR 0106250 A 20020813; BR 0106250 B1 20101116; CA 2364135 A1 20020622; CA 2364135 C 20090203; DE 60112231 D1 20050901; DE 60112231 T2 20060524; FR 2818636 A1 20020628; FR 2818636 B1 20030228; JP 2002255679 A 20020911; JP 3825316 B2 20060927; KR 100446267 B1 20040901; KR 20020051850 A 20020629; MX PA01012981 A 20021021; US 2002079031 A1 20020627; US 6824626 B2 20041130

DOCDB simple family (application)

**EP 01403255 A 20011214**; AT 01403255 T 20011214; BR 0106250 A 20011221; CA 2364135 A 20011210; DE 60112231 T 20011214; FR 0016879 A 20001222; JP 2001389917 A 20011221; KR 20010081683 A 20011220; MX PA01012981 A 20011214; US 308201 A 20011206