

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 bicomposant semi-continu perfectionné d'obtention d'un chargement explosif composite à matrice polyuréthane

Publication

EP 1790626 B1 20170118 (FR)

Application

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Priority

FR 0511892 A 20051124

Abstract (en)

[origin: EP1790626A1] Semi continuous process of forming a composite explosive charge having a charged solid polyurethane matrix comprises: forming a pastry explosive composition (containing a polyol prepolymer, a polyisocyanate monomer, a plasticizer and a pulverulent solid charge having at least one nitro-organic explosive) by continuously mixing a liquid component A having the monomer and a pastry component B1 having the prepolymer and the filler in which the plasticizer is distributed between the components; and introducing and thermal crosslinking the composition in to a mould. Semi continuous process of forming a composite explosive charge having a charged solid polyurethane matrix comprises obtaining a pastry explosive composition (containing a polyol prepolymer, a polyisocyanate monomer, a plasticizer and a pulverulent solid charge having at least one nitro-organic explosive) by continuously mixing a liquid component A having the monomer at 90-99 wt.% and a pastry component B1 having the prepolymer and the filler together at 1-10 wt.% in which the plasticizer is distributed between the components; introducing the composition in to a mould; and thermal crosslinking the composition in the mould, where the A:B1 weight ratio is 95.05:4.95-99.55:0.45.

IPC 8 full level

C06B 21/00 (2006.01)

CPC (source: EP KR NO US)

C06B 21/00 (2013.01 - KR); **C06B 21/0025** (2013.01 - EP NO US); **C06B 21/0058** (2013.01 - EP NO US)

Cited by

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