

Title (en)
Insensitive compressible explosive

Title (de)
Unempfindlicher, pressbarer Sprengstoff

Title (fr)
Explosif insensible compressible

Publication
EP 1312595 A1 20030521 (DE)

Application
EP 02024870 A 20021108

Priority
DE 10155885 A 20011114

Abstract (en)
An insensitive pressable high energy explosive containing (wt.%): octogen or hexogen (sic)(92-97), dioctyl adipate (DOA)(1-6), polyacrylic polymer (Ht Temp)(0.5-2), polysiloxane (1-5) is new. <??>An Independent claim is also included for a method of preparing the composition by: <??>(1) mixing the coarse and fine particles; <??>(2) addition to the mixture of a solution of polysiloxane and isopropanol; <??>(3) washing and drying of the mixture; and <??>(4) addition and mixing in of a binder solution of polyacrylic polymer, (1 part) and DOA (3 parts) in solvent (25 parts).

Abstract (de)
Ein unempfindlicher, pressbarer Sprengstoff mit hoher Energie besteht aus Oktogenkörnern oder Hexogen, die mit einer Polysiloxanlösung beschichtet sind.

IPC 1-7
C06B 45/22; **C06B 25/34**

IPC 8 full level
C06B 25/34 (2006.01); **C06B 45/22** (2006.01)

CPC (source: EP US)
C06B 25/34 (2013.01 - EP US); **C06B 45/22** (2013.01 - EP US)

Citation (search report)

- [XA] DE 19719073 A1 19981112 - DIEHL STIFTUNG & CO [DE]
- [A] EP 0528392 A1 19930224 - DYNAMIT NOBEL AG [DE]
- [A] DE 3617408 C1 19870611 - DYNAMIT NOBEL AG
- [DA] DE 4006961 A1 19910912 - MESSERSCHMITT BOELKOW BLOHM [DE]
- [A] US 3984264 A 19761005 - LAMPERT BERNARD B
- [A] WO 0073245 A2 20001207 - SCHLUMBERGER TECHNOLOGY CORP [US] & PROPELLANTS EXPLOS., PYROTECH., vol. 24, no. 4, 1999, pages 217 - 220
- [A] CHEMICAL ABSTRACTS, vol. 131, no. 25, 20 December 1999, Columbus, Ohio, US; abstract no. 339057c, KIM, HYOUN-SOO ET AL.: "Characteristics of the insensitive pressed plastic bonded explosive, DXD-59" page 862; XP001032390

Cited by
EP1352885A3; US6884307B1

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
EP 1312595 A1 20030521; DE 10155885 A1 20030605; NO 20025319 D0 20021106; NO 20025319 L 20030515; US 2003127166 A1 20030710; US 6893516 B2 20050517

DOCDB simple family (application)
EP 02024870 A 20021108; DE 10155885 A 20011114; NO 20025319 A 20021106; US 26401902 A 20021003