

Title (en)
Insensitive compressed explosive mixtures

Title (de)
Gepresste unempfindliche Sprengstoffmischungen

Title (fr)
Mélanges explosifs insensibles comprimés

Publication
EP 1101751 A1 20010523 (DE)

Application
EP 00124027 A 20001104

Priority
DE 19955657 A 19991119

Abstract (en)
A non-sensitive, pressed explosive mixture comprises a sonochemically formed 1,3,5 triamino-2,4,6-trinitrobenzol binder. The mixture is mixed and pressed without the need for an assisting material and without additives.

Abstract (de)
Ein uneingeschränkt transportierbarer Sprengstoff weist eine Bindermatrix aus sonochemisch hergestellten Feinst-TATB auf.

IPC 1-7
C06B 25/04; **C06B 25/34**

IPC 8 full level
C06B 21/00 (2006.01); **C06B 25/04** (2006.01); **C06B 25/34** (2006.01)

CPC (source: EP)
C06B 21/0041 (2013.01); **C06B 25/04** (2013.01); **C06B 25/34** (2013.01)

Citation (search report)

- [XY] US 5597974 A 19970128 - VORECK JR WALLACE E [US], et al
- [A] US 4481371 A 19841106 - BENZIGER THEODORE M [US]
- [A] US 4251301 A 19810217 - VOIGT JR H WILLIAM
- [A] US 4394197 A 19830719 - KABIK IRVING, et al
- [A] US 3222231 A 19651207 - MARKELS JR MICHAEL, et al
- [A] US 5035363 A 19910730 - SOMOZA CARLOS [US] & Int. Annu. Conf. ICT 1998, 29th(Energetic Materials), 13.1-13.13, Fraunhofer-Institut fuer Chemische Technologie & Int. Annu. Conf. ICT, 1998, 29th(Energetic Materials), 177.1-177.14, Fraunhofer-Institut fuer Chemische Technologie
- [Y] CHEMICAL ABSTRACTS, vol. 129, no. 10, 7 September 1998, Columbus, Ohio, US; abstract no. 124495s, J. BREMSER ET AL.: "Characterization of sonochemically-activated 1,3,5-triamino-2,4,6-trinitrobenzene" page 788; XP000786189
- [Y] CHEMICAL ABSTRACTS, vol. 129, no. 11, 14 September 1998, Columbus, Ohio, US; abstract no. 138150n, K.-Y. LEE ET AL.: "Synthesis and initiation spot-size testing of sonochemically activated TATB" page 813; XP000786239

Cited by
EP1275628A1; RU2471759C2; DE10132122C1

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