

Title (en)
EXPLOSIVE

Publication
EP 0297740 A3 19890405 (EN)

Application
EP 88305235 A 19880608

Priority
ZA 874690 A 19870629

Abstract (en)
[origin: EP0297740A2] The use of insoluble particulate bentonite for thickening or increasing the viscosity of emulsion explosives is described. The bentonite (swellable clay, montmorillonite) is dispersed throughout the emulsion, without dissolving in either phase and without causing crystallisation, by admixture of the powder with the prepared emulsion in a low shear blender. The resulting emulsions have increased viscosity and rigidity which provide higher gas bubble retention and hence longer shelf life.

IPC 1-7
C06B 47/14; **C06B 23/00**

IPC 8 full level
C06B 23/00 (2006.01); **C06B 47/14** (2006.01)

CPC (source: EP)
C06B 23/001 (2013.01); **C06B 47/145** (2013.01)

Citation (search report)

- [E] GB 2199575 A 19880713 - IEL LTD
- [X] FR 2096088 A5 19720211 - EXPLOSIVES & CHEM PROD
- [XP] EP 0250224 A2 19871223 - IRECO INC [US]
- [A] EP 0123008 A1 19841031 - PRB NOBEL EXPLOSIFS SOCIETE AN [BE]
- [A] EP 0213786 A1 19870311 - ICI AUSTRALIA LTD [AU]
- [A] US 2984556 A 19610516 - TALLEY SAMUEL K
- [A] GB 1602187 A 19811111 - NL INDUSTRIES INC
- [A] US 3126701 A 19640331

Cited by
CN108689784A; WO2019091254A1; WO9851645A1

Designated contracting state (EPC)
DE ES FR IT SE

DOCDB simple family (publication)
GB 2206574 A 19890111; **GB 2206574 B 19901003**; **GB 8813578 D0 19880713**; AU 1831988 A 19890105; AU 616892 B2 19911114; CA 1330397 C 19940628; EP 0297740 A2 19890104; EP 0297740 A3 19890405; MW 1888 A1 19890308; NO 882865 D0 19880628; NO 882865 L 19881230; NZ 225094 A 19901221; ZW 8688 A1 19890308

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GB 8813578 A 19880608; AU 1831988 A 19880623; CA 568451 A 19880602; EP 88305235 A 19880608; MW 1888 A 19880530; NO 882865 A 19880628; NZ 22509488 A 19880620; ZW 8688 A 19880627