

Title (en)
Explosive comprising a foamed sensitizer.

Title (de)
Geschäumten Sensibilisator enthaltender Sprengstoff.

Title (fr)
Explosif contenant un sensibilisateur en mousse.

Publication
EP 0514000 A1 19921119 (EN)

Application
EP 92303297 A 19920413

Priority
CA 2040346 A 19910412

Abstract (en)
A sensitized explosive composition, and a method of production therefor, wherein the composition is sensitized by the addition of a gas void-containing, gas-in-liquid foam to a base explosive composition. The foam is produced in water or in a non-aqueous liquid carrier and is, preferably, stabilized by the addition of viscosity control and foaming agents. The explosive composition may be, for example, a water-in-oil emulsion explosive or an oil-in-water slurry explosive. The sensitized explosives thus produced are manufactured by a method having improved safety, greater low temperature manufacturing flexibility, and are more economical than microballoon gas void-containing explosives of the prior art.

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C06B 23/00; **C06B 47/14**

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

CPC (source: EP)
C06B 23/002 (2013.01); **C06B 47/14** (2013.01); **C06B 47/145** (2013.01)

Citation (search report)

- [X] DE 1930503 A1 19710114 - DYNAMIT NOBEL AG
- [X] GB 1270319 A 19720412 - IRECO CHEMICALS [US]
- [A] AU 510416 B2 19800626 - ICI AUSTRALIA LTD
- [X] GB 2160857 A 19860102 - SHANN PETER CHRISTIAN
- [X] FR 2624112 A1 19890609 - ICI AUSTRALIA OPERATIONS [AU]
- [Y] DE 1813175 A1 19700702 - DU PONT
- [A] EP 0228354 A1 19870708 - NITRO NOBEL AB [SE]
- [YD] US 3447978 A 19690603 - BLUHM HAROLD F
- [A] US 4525225 A 19850625 - CECHANSKI MICHAEL [SE]

Cited by
CN112537993A; CN114621042A; WO02081411A3; WO0102318A1

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EP 0514000 A1 19921119; **EP 0514000 B1 19980128**; AU 1480892 A 19921015; AU 660967 B2 19950713; CA 2040346 A1 19921013; CA 2040346 C 20010612; CN 1057289 C 20001011; CN 1065652 A 19921028; DE 69224230 D1 19980305; DE 69224230 T2 19980528; GB 2258461 A 19930210; GB 2258461 B 19941005; GB 9208130 D0 19920527; JP H05279159 A 19931026; MX 9201658 A 19921001; NZ 242107 A 19950224; TW 278070 B 19960611; ZA 922155 B 19921230

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