

Title (en)

COMPOSITIONS OF THE "EMULSION EXPLOSIVE" TYPE, PROCESS FOR THEIR MANUFACTURE AND USE OF THESE COMPOSITIONS

Publication

EP 0123008 B1 19890802 (FR)

Application

EP 83870026 A 19830318

Priority

EP 83870026 A 19830318

Abstract (en)

[origin: US4566920A] An explosive composition of the water-in-oil emulsion type includes at least one emulsified gel formed of an oxidizing solution of an inorganic salt dissolved in water and a fuel phase containing a liquid hydrocarbon and an emulsifier in combination with an inert or reactive lighting constituent and, if appropriate, one or more oxidizing salts or metal fuels. Pursuant to the invention the composition additionally contains from 4% to 55% of inert or semi-inert solids. The explosive composition provides enhanced safety characteristics through detonation velocity reduction and is thus well suited for dangerous atmospheres such as those encountered in coal mines. Additionally, the explosive composition exhibits a nonsticky plastic to semiplastic texture which facilitates cartridgeing on conventional machinery, all while retaining normal detonation characteristics.

IPC 1-7

C06B 47/14

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0366274A1; EP0238210A3; EP0330637A1; EP0221701A1; EP0297740A3; DE3712488C1; EP0250224A3; WO2004020368A1

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