

Title (en)

APPLICATION OF AN ADDITIVE TO STABILIZE AN EXPLOSIVE COMPOSITION BASED ON A WATER-IN-OIL EMULSION

Title (de)

VERWENDUNG EINES ADDITIVES ZUR STABILISIERUNG EINER SPRENGSTOFFZUSAMMENSETZUNG DES TYPUS WASSER-IN-ÖL EMULSION

Title (fr)

APPLICATION D'UN ADDITIF POUR STABILISER UNE COMPOSITION EXPLOSIVE DU TYPE EMULSION EAU DANS HUILE

Publication

EP 0711263 B1 19990210 (FR)

Application

EP 94921010 A 19940701

Priority

- FR 9400811 W 19940701
- FR 9309638 A 19930729

Abstract (en)

[origin: WO9504017A1] The technical field of the invention is that of the manufacture of explosive compositions comprising a water-in-oil emulsion containing of a mixture of two phases immiscible in one another, a continuous phase (2) comprising organic combustible components, and a discontinuous phase (1) in a dispersed oxidizing solution. The emulsion is stabilized by the presence of at least one surface-active agent mixed at least in one of said phases, wherein it is soluble, and of a surface-active agent reinforcing additive. According to the invention, the additive selected is insoluble in each of the two phases, and is used to form a third phase (3) in said emulsion, the third phase (3) being situated between the droplets (4) of the discontinuous phase (1). The third phase acts as a barrier between the droplets and increases emulsion stabilization.

IPC 1-7

C06B 47/14

IPC 8 full level

C06B 47/14 (2006.01)

CPC (source: EP)

C06B 47/145 (2013.01)

Designated contracting state (EPC)

BE DE ES GB IT PT

DOCDB simple family (publication)

WO 9504017 A1 19950209; AU 7189594 A 19950228; DE 69416519 D1 19990325; DE 69416519 T2 19990916; EP 0711263 A1 19960515; EP 0711263 B1 19990210; ES 2127933 T3 19990501; FR 2708479 A1 19950210; FR 2708479 B1 19951027; MA 23283 A1 19950401

DOCDB simple family (application)

FR 9400811 W 19940701; AU 7189594 A 19940701; DE 69416519 T 19940701; EP 94921010 A 19940701; ES 94921010 T 19940701; FR 9309638 A 19930729; MA 23598 A 19940725