

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

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Application

**EP 94921010 A 19940701**

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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.

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