

Title (en)

Improved water-in-oil emulsion explosives and a method for the preparation of the same.

Title (de)

Wasser-in-Öl-Emulsions-Sprengstoffe und Verfahren zu ihrer Herstellung.

Title (fr)

Explosifs améliorés à base d'une émulsion d'eau dans de l'huile et leur procédé de préparation.

Publication

**EP 0106923 A1 19840502 (EN)**

Application

**EP 82305614 A 19821021**

Priority

EP 82305614 A 19821021

Abstract (en)

A water-in-oil explosives composition comprising water, liquid or liquefiable carbonaceous fuel and inorganic oxidiser salt, optionally with gassing agent and/or thickening agent, and containing 0.02 to 2% of a stabiliser selected from organo-sulphur compounds, organic compounds containing quaternary nitrogen, phenolic compounds and substituted derivatives thereof, dihydroxybenzenes, quinones, unsubstituted and substituted aryl diazo compounds, unsubstituted and substituted aryl amines and salts thereof, and unsubstituted and substituted quinolines. Preferred stabilisers include thiourea, hydroquinone, anthraquinone, 1-phenylazo-2-naphthol, 1-[(4 min -o-tolylazo)-o-tolylazo]-2-naphthol, N-phenyl- alpha -naphthylamine, N-phenyl- beta -naphthylamine, the condensation products of 1,4 dichloroanthraquinone with p-toluidine and 2,2,4-trimethyl-1,2-dihydroquinolines. The compositions have improved sensitivity and stability against phase separation at elevated temperatures and under cycling temperature conditions between - 16 and + 50 DEG C.

IPC 1-7

**C06B 47/14**; **C06B 45/00**; **C06B 23/00**

IPC 8 full level

**C06B 47/14** (2006.01)

CPC (source: EP)

**C06B 47/145** (2013.01)

Citation (search report)

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