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Emulsion that is compatible with reactive sulfide/pyrite ores.

The water-in-oil emulsion explosives of this invention contain a water-immiscible organic fuel as a continuous phase, an emulsified inorganic oxidizer salt solution as a discontinuous phase, an emulsifier, gas bubbles or an air entraining agent for sensitization, and from about 1% to about 30% by weight of the composition urea for stabilization against thermal degradation with reactive sulfide/pyrite ores. The invention also relates to a method of using such explosives.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US-A-4 338 146 (L.A. GRANLUND)	1-8	C06B47/00
Y	* claims; table 1 *	1,8-10	C06B45/00

X	US-A-4 500 369 (A. TAG ET AL.)	1-8	
	* column 1, line 28 - line 37 *		
Y	* column 3, line 59 - column 4, line 19; tables 2,3 *	1,8-10	
	* column 4, line 59 - column 5, line 7 *		

X	CHEMICAL ABSTRACTS, vol. 93, no. 12, September 1980, Columbus, Ohio, US; abstract no. 116736U, page 125 ;	1-8	
Y	&BR-A-7902194 (AECI Ltd.)(04-12-1979) * abstract *	1,8-10	

Y	US-A-3 708 356 (C.M. MASON ET AL.) * column 1, line 44 - line 54; claims *	1,8-10	

Y	CHEMICAL ABSTRACTS, vol. 92, no. 04, 28 January 1980, Columbus, Ohio, US; abstract no. 25171U, Y. MIRON ET AL.: 'Reactivity of AN-FO with pyrite containing weathering products.' U.S. Bur. Mines, Rep. Invest. 1979, RI 8373 * abstract *	1,8-10	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
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Y	CHEMICAL ABSTRACTS, vol. 75, no. 1, 5 July 1971, Columbus, Ohio, US; abstract no. 4838A, S. VARMA ET AL.: 'Influence of additeves on the hazardous behavior of ammonium nitrate' Technology 1970, 7(3), 145-148 * abstract *	1,8-10	

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 MARCH 1992	Examiner SCHUT R.J.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	CHEMICAL ABSTRACTS, vol. 74, no. 17, 26 April 1971, Columbus, Ohio, US; abstract no. 86947B, Y.A. VAKHRUSHEV ET AL.: 'Thermal stability and stabilization of water-resistant ammonium nitrate' Khim. Prom. Ukr. 1970, (5), 17-21 * abstract *	1,8-10	
A	US-A-3 886 008 (M.A. COOK)		
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The present search report has been drawn up for all claims			
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