

⑫

EUROPEAN PATENT APPLICATION

⑰ Application number: **88304449.7**

⑤① Int. Cl.⁴: **C 06 B 47/14**

⑰ Date of filing: **17.05.88**

③① Priority: **20.05.87 ZA 873631**

④③ Date of publication of application:
23.11.88 Bulletin 88/47

⑧④ Designated Contracting States: **DE ES FR IT SE**

⑧⑧ Date of deferred publication of search report:
03.05.89 Bulletin 89/18

⑦① Applicant: **AECI LIMITED**
16th Floor Office Tower Carlton Centre Commissioner
Street P.O. Box 1122
Johannesburg 2000 Transvaal (ZA)

⑦② Inventor: **Halliday, Pieter Stephanus Jacobus**
85 Market Street
Johannesburg North Randburg Transvaal (ZA)

Swartz, Lynette
28 Milner Avenue
St Andrews Bedfordview Transvaal (ZA)

⑦④ Representative: **Reid, Thomas James et al**
Imperial Chemical Industries PLC Legal Department:
Patents PO Box 6 Bessemer Road
Welwyn Garden City Herts, AL7 1HD (GB)

⑤④ **Low water content emulsion.**

⑤⑦ The invention provides an emulsion explosive of the so-called water-in-oil type. An aqueous oxidizing salt-containing component forms the discontinuous phase of the emulsion. A fuel-containing component forms its continuous phase and is immiscible with the discontinuous phase. The explosive comprises at most 9% by mass water and the discontinuous phase has a crystallization point of at least 80°C.



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.4)																
X	GB-A-2 055 358 (E.I. DU PONT DE NEMOURS AND CO.) * Claims; page 3, lines 4-11,51-58; page 4, lines 2-53,72-77 * ---	1,2,4,5 ,10	C 06 B 47/14																
X	GB-A-2 086 364 (ATLAS POWDER CO.) * Claims; page 1, lines 40-43; page 1, line 55 - page 2, line 12; page 3, lines 39-46 * ---	1,4-7,9 ,10																	
P,X	GB-A-2 185 474 (NIPPON KAGAKU K.K.) * Page 2, line 60 - page 3, line 60; page 6 * ---	1,3,4-6 ,9,10																	
X	US-A-4 141 767 (W.B. SUDWEEKS et al.) * Column 5, lines 23-28; column 4, lines 46-51; columns 7,8; claims * ---	1,3-6,9 ,10																	
X	US-A-4 410 378 (K. HATTORI et al.) * Column 2, line 67 - column 3, line 20; example * ---	1,4,5,9 ,10																	
P,X	EP-A-0 252 625 (AECI LTD) * Pages 3-6 * -----	1-10	TECHNICAL FIELDS SEARCHED (Int. Cl.4) C 06 B																
The present search report has been drawn up for all claims																			
Place of search THE HAGUE		Date of completion of the search 14-02-1989	Examiner SCHUT, R.J.																
<table border="0"><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>T : theory or principle underlying the invention</td></tr><tr><td>X : particularly relevant if taken alone</td><td>E : earlier patent document, but published on, or</td></tr><tr><td>Y : particularly relevant if combined with another</td><td>after the filing date</td></tr><tr><td>document of the same category</td><td>D : document cited in the application</td></tr><tr><td>A : technological background</td><td>L : document cited for other reasons</td></tr><tr><td>O : non-written disclosure</td><td>.....</td></tr><tr><td>P : intermediate document</td><td>& : member of the same patent family, corresponding</td></tr><tr><td></td><td>document</td></tr></table>				CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention	X : particularly relevant if taken alone	E : earlier patent document, but published on, or	Y : particularly relevant if combined with another	after the filing date	document of the same category	D : document cited in the application	A : technological background	L : document cited for other reasons	O : non-written disclosure		P : intermediate document	& : member of the same patent family, corresponding		document
CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention																		
X : particularly relevant if taken alone	E : earlier patent document, but published on, or																		
Y : particularly relevant if combined with another	after the filing date																		
document of the same category	D : document cited in the application																		
A : technological background	L : document cited for other reasons																		
O : non-written disclosure																			
P : intermediate document	& : member of the same patent family, corresponding																		
	document																		