

12

EUROPEAN PATENT APPLICATION

21 Application number: **87850132.9**

51 Int. Cl.³: **F 42 B 3/10**
F 42 D 1/04

22 Date of filing: **23.04.87**

30 Priority: **30.04.86 SE 8602010**

43 Date of publication of application:
13.04.88 Bulletin 88/15

88 Date of deferred publication of search report: **10.08.88**

84 Designated Contracting States:
AT BE CH DE ES FR GB GR IT LI NL SE

71 Applicant: **Nobel Kemi AB**
Box 800
691 85 Karlskoga(SE)

72 Inventor: **Carlsson, Staffan**
Yttre Lötsvängen 30
S-691 35 Karlskoga(SE)

72 Inventor: **Persson, Torsten**
Mellanasgatan 19
S-691 33 Karlskoga(SE)

72 Inventor: **Jonsson, Bert**
Skördevägen 42
S-713 00 Nora(SE)

72 Inventor: **Boberg, Tore**
Bratakersvägen 30
S-691 54 Karlskoga(SE)

74 Representative: **Falk, Bengt et al,**
Nobel Corporate Services Patents and Trademarks
S-691 84 Karlskoga(SE)

54 **Detonator for a non-electric detonation system for blasting charges.**

57 The present invention relates to a detonator for non-electric detonation systems for blasting charges intended to be initiated by a detonating fuze (14) which passes through a passage (13) provided for this purpose in the body (9) of the detonator (5). A major characterising feature of the detonator (5) according to the present invention is that a conventional percussion cap (10) which is immediately initiated by the detonating fuze (10) is utilised for initiating the detonator.

The invention also relates to a booster charge (1) intended for the detonator and provided with a reinforced central channel (16) for the detonating fuze (14).

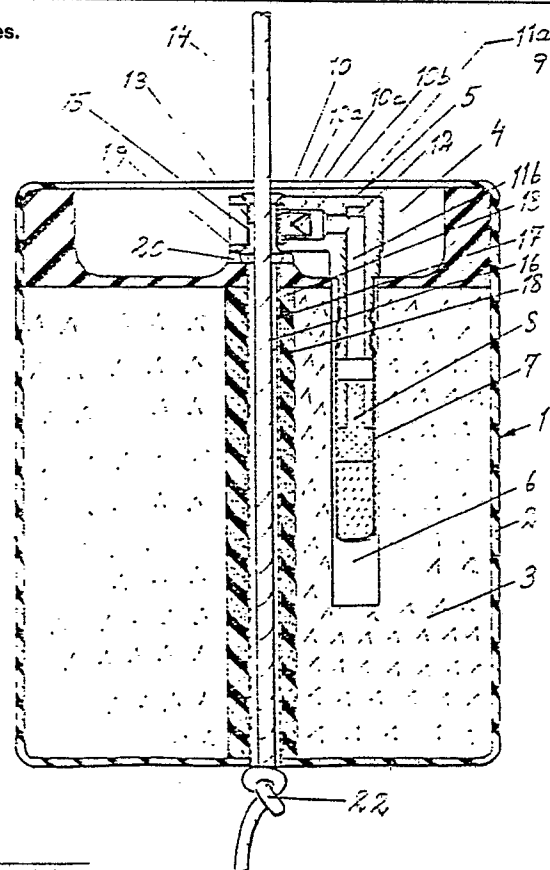


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

0263800

Application Number

EP 87 85 0132

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)
D,A	US-A-4 165 691 (BOWMAN) * Column 1, lines 55-68; column 2, lines 1-24; column 3, lines 43-68; column 4, lines 1-18; figures 1-3 * ---	1	F 42 B 3/10 F 42 D 1/04
D,A	US-A-4 060 033 (POSTUPACK) * Column 2, lines 39-68; column 3, lines 1-68; column 4, lines 1-40; figures 1-6 * ---	1	
A	US-A-4 350 097 (BOWMAN) * Column 1, lines 50-68; column 2, lines 1-37; column 3, line 44 - column 5, line 8; figures 1-3 * ---	1	
A	US-A-2 857 845 (SEAVEY) * Column 2, lines 60-72; column 3, lines 1-43; figure 1 * ---	2	
A	US-A-3 788 227 (CLIFTON) * Whole document * ---	4,5	
D,A	EP-A-0 164 941 (YUNAN) * Page 1, lines 28-36; page 9, lines 1-35; page 10, lines 1-35; page 11, lines 1-28; figures 1-8 * -----	1,3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-05-1988	Examiner VAN DER PLAS J.M.
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	