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(54) **Disrupter for explosive devices.**

(57) A disrupter 1,2 for the disruption of explosive devices comprises an elongate tube 3 with a bore 4 of substantially constant cross-section closed at one end by a breech assembly 6. A nozzle 10 having a tapering bore 9 is detachably mounted on the other end of the tube 3. The arrangement provides for improved performance over prior art devices with bores of constant cross-section whilst avoiding the expense of machining a continuously tapering bore.

The breech assembly 6 comprises a pin 24 slidably housed in a plastic insert 23. The pin is biased by means of a spring 28 and screw plug 54 to contact a centre terminal of an electrically activated cartridge (not shown). Voltage is supplied to the cartridge via plugs inserted in apertures in the breech assembly body 22 and the plug 54.

The disrupter 1,2 is slidably mounted in a holder 13, 14 and positioned by means of springs 15 which absorb recoil when the device is activated.

Also disclosed in a mounting assembly 40, 41, 42, 13, 14 for mounting a plurality of disrupters in variety of different relative orientations.

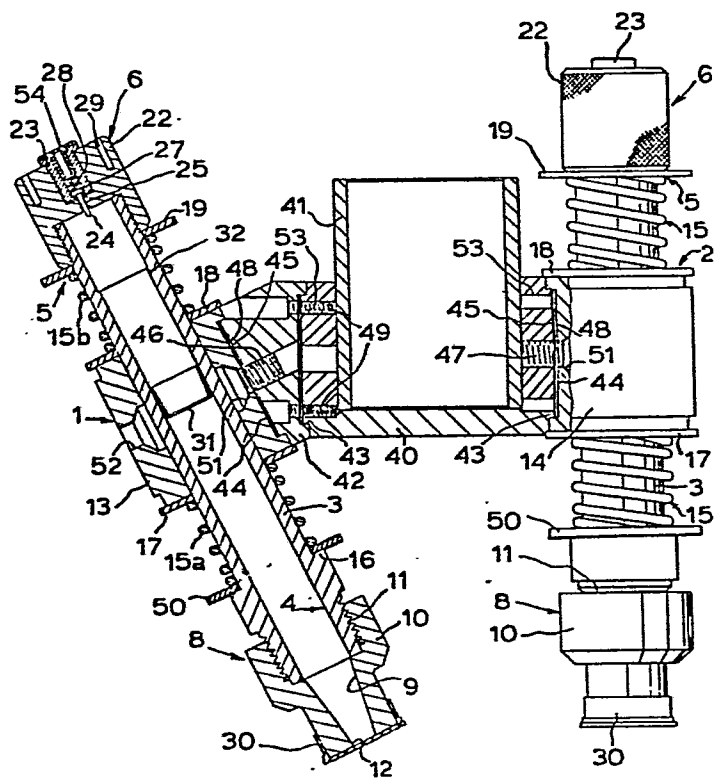
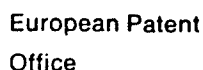


FIG. 1



0178039
Application number

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)
Y	DE-A- 3 236 285 (MINDER) * Figure 1 * ---	1,2	F 42 B 33/06 F 41 F 1/00
Y	DE-A- 2 734 183 (MALBURG) * Figures 1,2; page 8, lines 17-31; page 9, lines 1,2; page 12, lines 24-31 * ---	1,2	
A	US-A- 3 756 106 (CHADWICK et al.)		
D,A	GB-A- 2 030 684 (HANSON) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			F 42 B F 42 D F 41 F F 41 C B 26 F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		17-09-1985	FISCHER
CATEGORY OF CITED DOCUMENTS		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	
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		



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,

namely:

- 1) Claims 1-6: Disrupter tube having a tapered bore nozzle and assembly
- 2) Claims 7,8: Breech assembly
- 3) Claims 9,10: Support for a plurality of disrupters

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-6