

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : F24B 14/00, 30/10	A1	(11) International Publication Number: WO 98/33018
		(43) International Publication Date: 30 July 1998 (30.07.98)
(21) International Application Number: PCT/FI98/00064	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 23 January 1998 (23.01.98)		
(30) Priority Data: 970313 24 January 1997 (24.01.97) FI		
(71) Applicant (for all designated States except US): VAMMAS OY [FI/FI]; Vammaksentie, FIN-38200 Vammala (FI).		
(72) Inventors; and (75) Inventors/Applicants (for US only): TOIVONEN, Vesa [FI/FI]; Killinraitti 3, FIN-32800 Kokemäki (FI). RE-UNAMÄKI, Kari [FI/FI]; Annalankatu 19 B 6, FIN-33710 Tampere (FI). LEHTIMÄKI, Martti [FI/FI]; Sarkolantie 251, FIN-37180 Sarkola (FI).		
(74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).		Published <i>With international search report.</i>

(54) Title: ARRANGEMENT FOR SUPPORTING MORTAR SHELL INTO BARREL**(57) Abstract**

The invention relates to an arrangement for supporting a mortar shell into the barrel of a mortar weapon by using a separate support piece fixed to the tail of the mortar shell. In the arrangement the support piece is attached to the tail of the mortar shell with a mechanical joint provided by a separate connecting element (7), the connecting element being manufactured of such material and constructed in such a way that it fractures when the charge of the mortar shell is fired, allowing the mortar shell (1) to detach from the support piece (8).

