

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 June 2009 (04.06.2009)

PCT

(10) International Publication Number
WO 2009/070076 A1

(51) International Patent Classification:

F42B 14/00 (2006.01) **F41A 9/54** (2006.01)

(21) International Application Number:

PCT/SE2008/000612

(22) International Filing Date: 29 October 2008 (29.10.2008)

(25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0702645-3 30 November 2007 (30.11.2007) SE

(71) Applicant (for all designated States except US): **BAE SYSTEMS BOFORS AB** [SE/SE]; SE-691 80 Karlskoga (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **JOHANSSON, Nils** [SE/SE]; Sahlelfeltsgatan 12, SE-691 33 Karlskoga (SE).

(74) Agent: **ERICSSON, Dan**; Saab Bofors Support AB, Patents and Trademarks, SE-691 80 Karlskoga (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

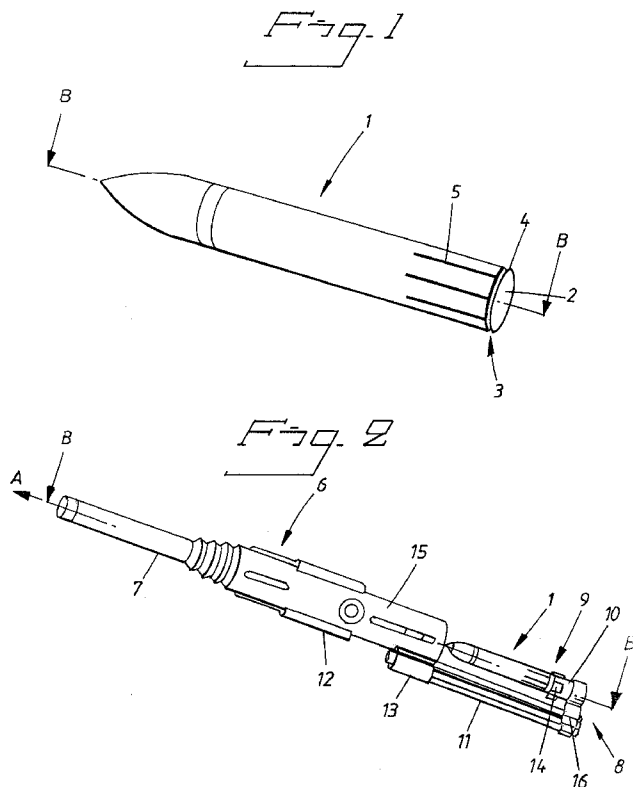
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(54) Title: SHELL DESIGNED FOR SECURING IN A MORTAR AND MORTAR DESIGNED FOR SUCH A SHELL



(57) Abstract: The invention relates to a shell (1) intended for firing from a weapon (6), preferably a mortar weapon (6), the shell (1) being designed for securing the shell (1) in a mortar weapon (6) in order thereby to prevent movement of the shell (1) when adjusting the angle of elevation of the weapon (6). According to the invention this is achieved in that the shell (1) comprises a locking part (19, 28, 37), the locking part (19, 28, 37) forming an integral part of the shell (1) and being designed so that the shell (1) after ramming home is locked to a corresponding securing part (19) in the mortar (6). The invention also relates to a mortar (6) intended for firing said shell (1), the mortar (6) being characterized in that the mortar (6) comprises a corresponding securing part (19) for locking the shell (1).