

13 MAY 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

162162

(43) International Publication Date
30 May 2003 (30.05.2003)

PCT

(10) International Publication Number
WO 03/044443 A1(51) International Patent Classification⁷: **F41F 1/10**,
F41A 9/72, 9/79, F42B 39/26

(21) International Application Number: PCT/AU02/01504

(22) International Filing Date:
11 November 2002 (11.11.2002)

(25) Filing Language: English

(26) Publication Language: English

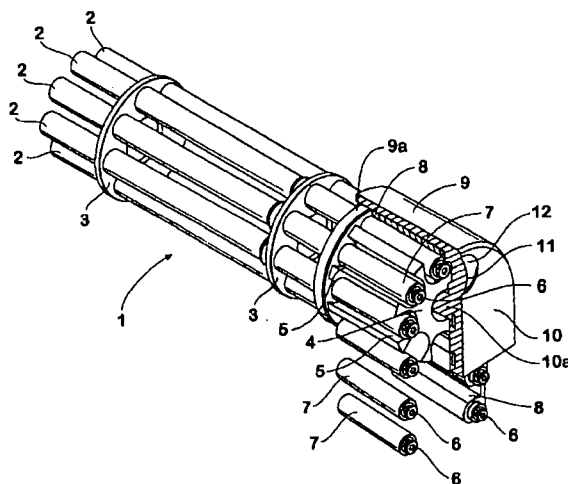
(30) Priority Data:
PR 8953 19 November 2001 (19.11.2001) AU(71) Applicant (for all designated States except US): **METAL
STORM LIMITED** [AU/AU]; Level 34, 345 Queen
Street, Brisbane, Queensland 4000 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **O'DWYER, James,
Michael** [AU/AU]; Unit 112, 32 Macrossan Street, Bris-
bane, Queensland 4000 (AU).(74) Agent: **PIZZEYS PATENT & TRADE MARK AT-
TORNEYS**; Level 14, ANZ Centre, 324 Queen Street,
Brisbane, Queensland 4000 (AU).(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.(54) Title: **BELT-FED MACHINE GUN**

(57) **Abstract:** A belt-fed machine gun (1) for firing a multiplicity of cartridges (6) encased in sleeves (7), which sleeves are linked to form a belt (8). The machine gun includes a plurality of substantially parallel barrels (2) mounted for circumrotation, a plurality of cradles (5) for supporting the cartridges encased in the sleeves, said cradles being mounted for circumrotation with said plurality of substantially parallel barrels (2) wherein a number of the plurality of cradles in an operative condition are aligned coaxially with corresponding barrels, a housing (9) and a breechblock (10). The housing and said cradles (5) in an operative condition engage sleeves (7) encasing cartridges (6) to form chambers with said breechblock, wherein the breechblock includes a guide (11) for engagement with a follower (15) on the cartridges (6) to urge cartridge and sleeve (7) into engagement with a barrel (2). The gun (1) further includes a firing mechanism for initiating a propellant charge (18) in one or more of the cartridges (6) supported by cradles (5) in the operative condition.

WO 03/044443 A1



ACTION