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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

162162
(10) International Publication Number
WO 2004/084979 A1

(51) International Patent Classification[7]: A61M 5/50

(21) International Application Number:
PCT/AU2004/000364

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003901382 25 March 2003 (25.03.2003) AU

(71) Applicant and
(72) Inventor: **WATSON, Robert, Baird** [AU/AU]; 11 St Georges Road, Upper Beaconsfield, Victoria 3808 (AU).

(74) Agent: **PHILLIPS ORMONDE & FITZPATRICK**; 367 Collins Street, Melbourne, Victoria 3000 (AU).

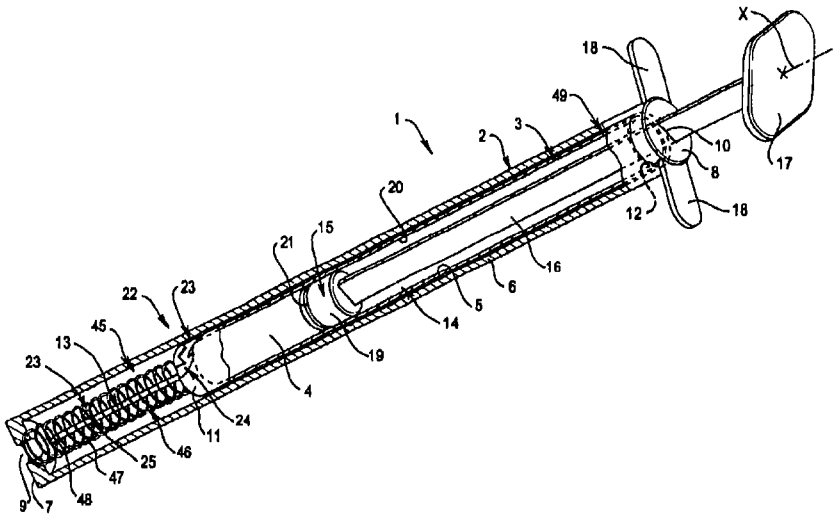
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, 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, HU, IE, IT, LU, MC, NL, 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*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HYPODERMIC SYRINGE



(57) Abstract: A syringe (1), including: a syringe casing (2), and a syringe body (3) within the casing (2) and defining a chamber (4) for holding a charge of liquid. The syringe body (3) is controllably moveable relative to the casing. A hollow needle (13) is connected to the syringe body (3) for movement therewith and extends from the casing (2) for use of the syringe (1). A plunger (14) is reciprocally moveable within the body (3) for drawing liquid into the body chamber (4) and/or ejecting liquid from the body chamber (4) through the needle (13). Control means (22) enables the syringe (1) to draw and/or eject a charge of liquid through the needle, whereupon movement of the syringe body (3) and needle (13) relative to the casing (2) disables the syringe (1).

WO 2004/084979 A1

G00002