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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/002654 A3

(51) International Patent Classification[7]: A61M 15/00

(21) International Application Number:
PCT/GB2004/002748

(22) International Filing Date: 25 June 2004 (25.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0315509.0 2 July 2003 (02.07.2003) GB

(71) Applicant *(for all designated States except US)*: **MERIDICA LIMITED** [GB/GB]; Cambridge Technology Centre, Melbourn, Hertfordshire SG8 6DQ (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HOUZEGO, Peter, John** [GB/GB]; 8 The Drift, Oakington, Cambridge CB4 5AD (GB). **CONWAY, John, Kelshaw** [GB/GB]; 22 Queensway, Sawston, Cambridge CB2 4DJ (GB). **PEARL, Martin, Douglas** [GB/GB]; 18 Hilton Street, Over, Cambridgeshire CB4 5PU (GB). **BRYANT, Andrew, Mark** [GB/GB]; 9 Old North Road, Bassingbourn cum Kneesworth, Cambridgeshire SG8 5JG (GB).

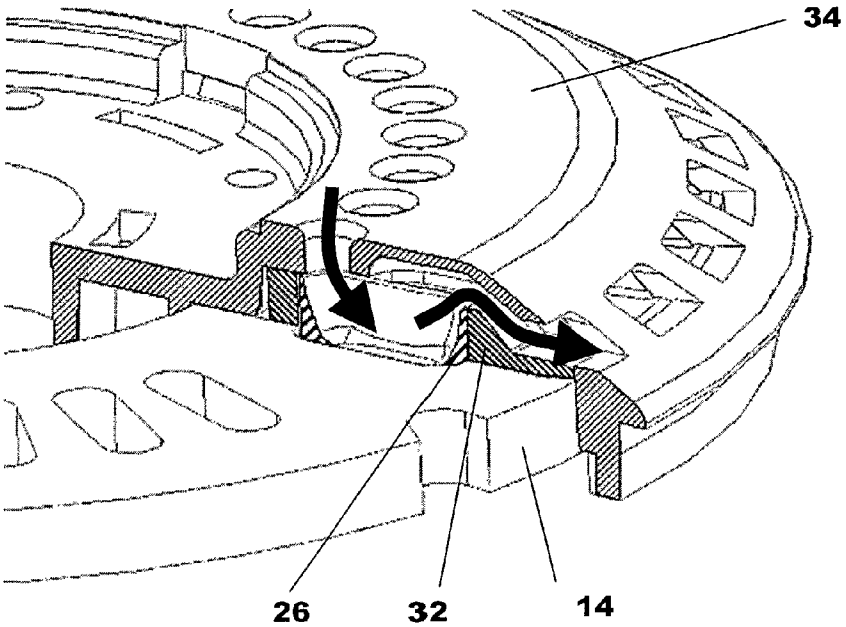
(74) Agents: **SMITH, Samuel, Leonard** et al.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5JJ (GB).

(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, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: DISPENSING DEVICE



(57) Abstract: A device for dispensing individual doses of powder from respective pockets of a disc-shaped carrier by outwardly rupturing a lidding foil by means of pressure on an opposite side surface, the device providing individual respective deaggregation flow paths for each pocket, split airstreams allowing improved entrainment of powder, a cam mechanism for outwardly rupturing the pockets, an indexing mechanism linked to the cam mechanism and a dose counter.

WO 2005/002654 A3

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*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
24 March 2005

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.