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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/037353 A1

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

(21) International Application Number:
PCT/GB2004/004416

(22) International Filing Date: 18 October 2004 (18.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0324358.1 17 October 2003 (17.10.2003) GB

(71) Applicant *(for all designated States except US)*: **VECTURA LIMITED** [GB/GB]; 1 Prospect West, Chippenham, Wilts SN14 6FH (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **EASON, Stephen, William** [GB/GB]; The Priory, Half Moon Lane, Redgrave, Diss, Norfolk IP22 1RX (GB). **CLARKE, Roger, William** [GB/GB]; 1a Winders Lane, Histon, Cambridge CB4 9EZ (GB). **HARMER, Quentin** [GB/GB]; 10 Cambridge Road, Waterbeach, Cambridge CB5 9NJ (GB). **EVANS, Peter, Alan** [GB/GB]; 50 Main Street, Little Downham, Ely, Cambs CB6 2ST (GB). **AHERN, David, Gregory** [GB/GB]; High Hill House, Main Street, Welney, Norfolk PE14 9RB (GB).

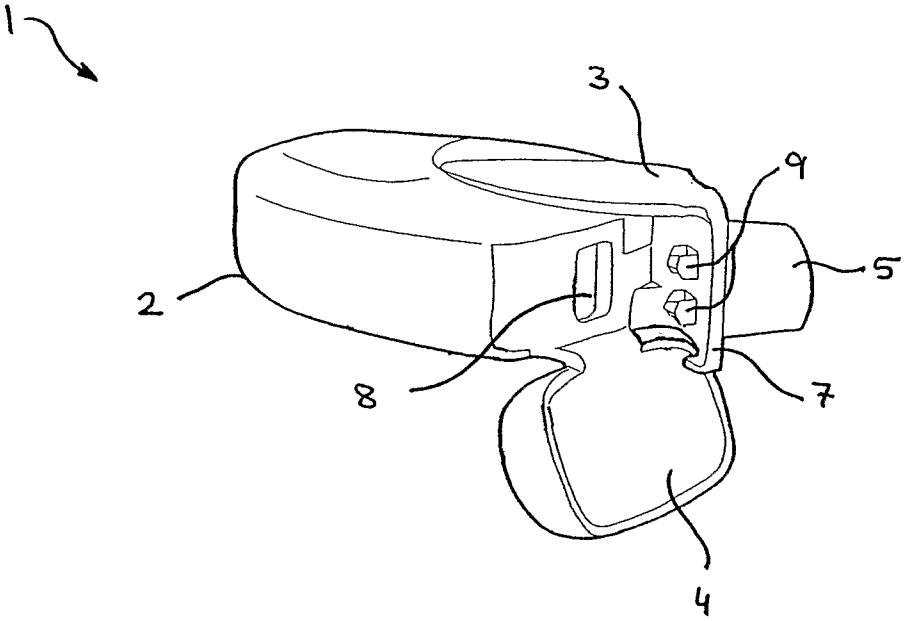
(74) Agents: **GREY, Ian** et al.; Venner, Shipley & Co., 20 Little Britain, London EC1A 7DH (GB).

(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), 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,

[Continued on next page]

(54) Title: INHALER



(57) Abstract: An inhaler (1) is disclosed. It comprises a housing (2) to receive a strip (6) of blisters (6a) each having a puncturable lid (6c) and containing a dose of medicament for inhalation by a user, a mouthpiece through which a dose of medicament is inhaled by a user and, an actuator (3) operable to sequentially move each blister into alignment with a blister piercing member (7, 9). The actuator is also operable to cause the blister piercing element to puncture the lid of a blister such that, when a user inhales through the mouthpiece, an airflow through the blister is generated to entrain the dose contained therein and carry it out of the blister and via the mouthpiece into the user's airway.

WO 2005/037353 A1

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*

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.