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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/057300 A2

(51) International Patent Classification[7]: G01N

(21) International Application Number:
PCT/IL2003/001000

(22) International Filing Date:
26 November 2003 (26.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/322,443 19 December 2002 (19.12.2002) US

(71) Applicants and
(72) Inventors: **HUBER, Arie** [IL/IL]; 14 Hatichon St., 32297 Haifa (IL). **REZNIKOV, Yakov** [IL/IL]; 99 Derech Hayam St., 34746 Haifa (IL). **WEINER, Paltiel** [IL/IL]; 61 Hadar St., P.O.Box 5431, 38900 Caesarea (IL). **TOISTER, Eli** [IL/IL]; D.N. Lev Shomron, 44852 Ma'ale Shomron (IL).

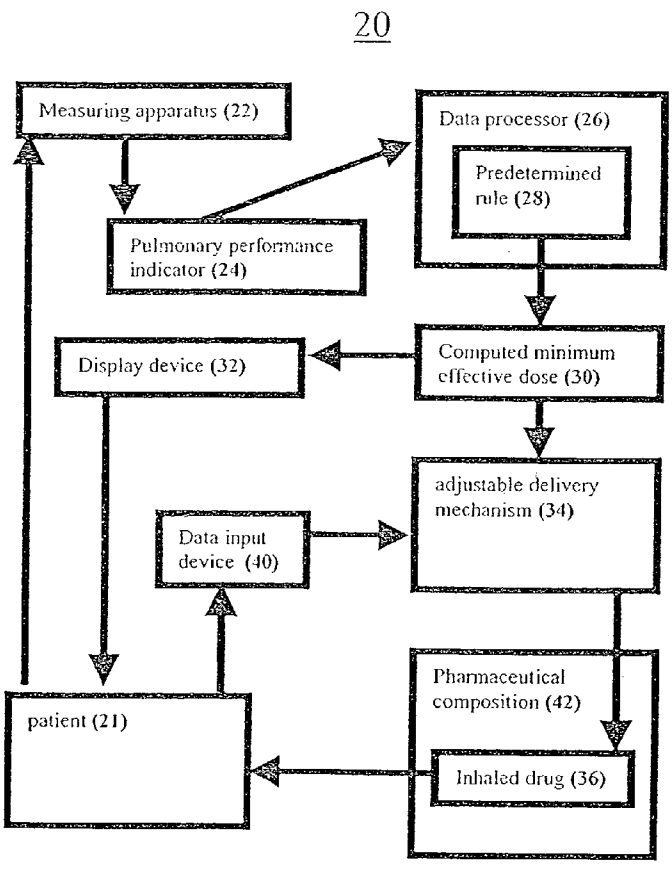
(74) Agent: **FRIEDMAN, Mark, M.**; Dr. Mark Friedman Ltd., 7 Haomanim Street, 67897 Tel Aviv (IL).

(81) Designated States *(national)*: 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, 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 *(regional)*: ARIPO patent (BW, 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, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SYSTEMS AMD METHODS FOR DETERMINING A MINIMUM EFFECTIVE DOSE OF AN INHALED DRUG FOR AN INDIVIDUAL PATIENT AT A GIVEN TIME



(57) Abstract: A system and method for determining a minimum effective dose of an inhaled drug for an individual patient at a given time. The system includes an apparatus to measure a performance measurement of patient and a data processor capable of communication with the apparatus. The data processor provides a computed minimum effective dose for the individual patient by applying a predetermined rule. The method includes measuring a performance measurement of the patient, communicating the performance measurement to a data processor and computing a minimum effective dose for the patient by applying a predetermined rule to the performance measurement with the data processor.

WO 2004/057300 A2

Published:

— *without international search report and to be republished upon receipt of that 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.