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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/059422 A1

(51) International Patent Classification[7]: A61M 5/172

(21) International Application Number: PCT/US02/38901

(22) International Filing Date: 5 December 2002 (05.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/039,751 3 January 2002 (03.01.2002) US

(71) Applicant: BAXTER INTERNATIONAL INC. [US/US]; One Baxter Parkway, Deerfield, IL 60015-4633 (US).

(72) Inventors: BUI, Tuan; 14436 Greenfield Court, Green Oaks, IL 60048 (US). WILSON, Larry; 14111 Segundo Court, Poway, CA 92064 (US).

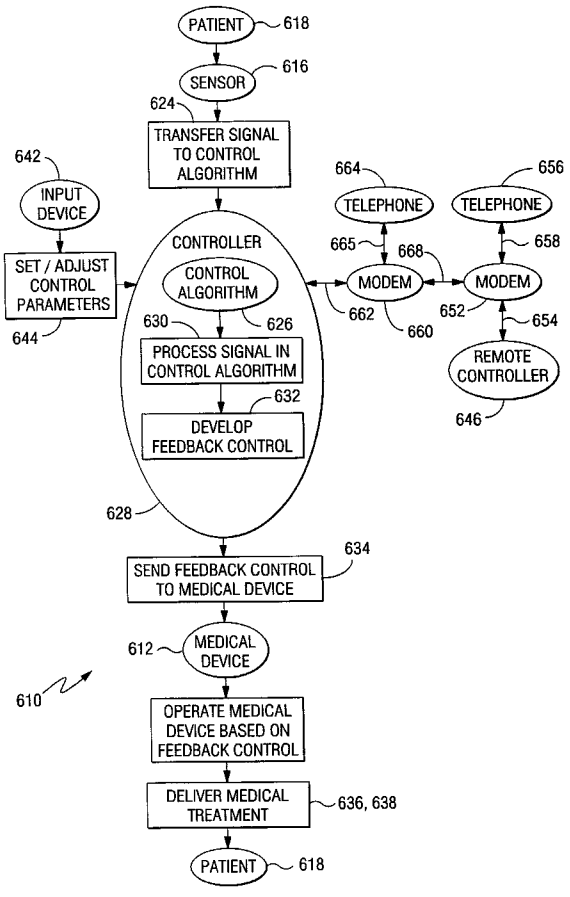
(74) Agents: KOWALIK, Francis, C. et al.; Baxter International Inc., One Baxter Parkway, Deerfield, IL 60015 (US).

(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, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, 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, 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: MEDICAL APPARATUS WITH REMOTE CONTROL



(57) Abstract: A medical treatment administration system (610) for delivering a medical treatment to a patient (618). The system (610) has a medical device (612) disposed in a first location, an electronic processor (628) coupled to the medical device (612), a sensor (616) coupled to the processor (628), and a remote controller (646) disposed at a second location remote from the first location. The remote controller (646) has an input device to control operation of the electronic processor (628). The sensor (616) receives one or more signals which it transfers (624) to the processor (628). The signals can be derived from the patient's physiological condition and/or the environment of the patient. The processor (628) receives the signals and performs a calculation (630) of the signal. Based on the result of the calculation, the processor (628) regulates the distribution of medical treatment to the patient (618) over a period of time.

WO 03/059422 A1

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.