



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : A61J 3/00		(11) International Publication Number: WO 00/09069
A1		(43) International Publication Date: 24 February 2000 (24.02.00)
(21) International Application Number: PCT/US99/18421 (22) International Filing Date: 12 August 1999 (12.08.99) (30) Priority Data: 60/096,496 14 August 1998 (14.08.98) US (71) Applicant: BAXTER INTERNATIONAL INC. [US/US]; One Baxter Parkway, Deerfield, IL 60015 (US). (72) Inventors: DIGIANFILIPPO, Aleandro; 29192 N. 78th Street, Scottsdale, AZ 85262 (US). HITCHCOCK, James, R.; 435 North Avenue, Barrington, IL 60010 (US). PIERCE, Richard, S.; 19730 N. 52nd Avenue, Glendale, AZ 85308 (US). (74) Agents: NICHOLS, Jeffrey, C. et al.; One Baxter Parkway, Deerfield, IL 60015 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, 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 the receipt of amendments.

(54) Title: COMPOUNDING ASSEMBLY FOR NUTRITIONAL FLUIDS

(57) Abstract

A mixing assembly (10) which transfers a number of nutritional fluids (20) from individual source containers (16) into a collection container (18) while noninvasively sensing the type of fluid being transferred is provided. The mixing assembly (10) utilizes a transfer set (14) to establish fluid communication between the source containers (16) and the collection container (18). A sensing assembly is configured to noninvasively sense a number of the types of fluid flowing through the transfer set (14) to help to prevent improper mixing. For other fluids for which the sensing assembly (200) alone may not be able to distinguish with the desired accuracy, the mixing assembly (10) utilizes a method to approximate the flow rate of that fluid with the flow rate also providing an indication of that type of fluid. By combining the output of the sensing assembly (200) with the flow rate determination, additional fluids can be identified. The assembly (10) includes a controller (41) that executes a number of routines that minimize the occurrence of false alarms, while insuring accurate and reliable compounding of prescriptions.

