## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 8 December 2005 (08.12.2005) PCT

# (10) International Publication Number WO 2005/115501 A3

(51) International Patent Classification: *A61M 5/00* (2006.01)

(21) International Application Number:

PCT/US2005/018343

(22) International Filing Date: 25 May 2005 (25.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/853,958 25 May 2004 (25.05.2004) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US 10/853,958 (CON) Filed on 25 May 2004 (25.05.2004)

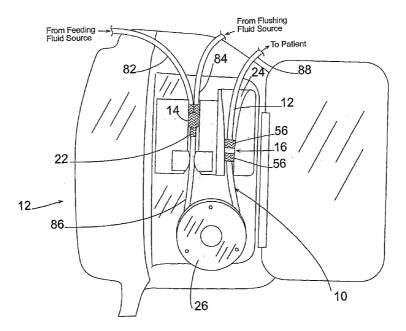
- (71) Applicant (for all designated States except US): SHER-WOOD SERVICES, AG [CH/CH]; Postfach 1571, Bahnhofstrasse 29, CH-8201 Schaffhausen (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FOURNIE, Glenn, G. [US/US]; 5221 White Oak Drive, Smithton, Illinois

62285 (US). MEIER, Kevin, C. [US/US]; 6931 Greenholly Drive, Affton, Missouri 63123 (US). SISK, Ricky, A. [US/US]; 15 Oak Valley Drive, Washington, Missouri 63090 (US). TRELFORD, Paul [US/US]; 4600 Candleglow Drive, St. Louis, Missouri 63129 (US). HARR, James [US/US]; 221 Woods Creek Drive, Foristell, Missouri 63348 (US).

- (74) Agents: BAI, Ari, M. et al.; Tyco Health Care Group, LP, Intellectual Property Department Docketing, 15 Hampshire Drive, Mansfield, MA 02048 (US).
- (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, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, 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: ADMINISTRATION FEEDING SET AND VALVE MECHANISM



(57) Abstract: An administration feeding set (10) adapted to be loaded to a flow control apparatus (12) is disclosed. The administration feeding set (10) comprises tubing (60) adapted suitably for fluid flow, a valve mechanism (14) suitable for loading the administration feeding set (10) to the flow control apparatus (12), and a mounting member (16) adapted suitably for permitting identification of the functional configuration of the administration feeding set (10). Also disclosed is a method for administering fluid utilizing the administration feeding set (10). There are also disclosed novel valve mechanisms (14).





### WO 2005/115501 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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: 2 November 2006

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.

#### INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/18343

A. CLASSIFICATION OF SUBJECT MATTER IPC: A61M 5/00(2006.01)				
USPC: 604/246,151,131,248,30,32,34,65, 66, 67,153;137/556;251/209,288,286 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 604/246,151,131,248,30,32,34,65, 66, 67,153; 137/556; 251/209,288,286				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST (valve, sensor)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
	Citation of document, with indication, where appropriate, of the relevant passages  US 5,364,364 A (KASVIKIS et al) 15 November 1994, see specification			
Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance.		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the cl considered novel or cannot be considered	ed to involve an inventive step	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance; the cl considered to involve an inventive step	when the document is taken alone  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report		
01 August 2006 (01.08.2006)		2.8 AUG 2006		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Authorized officer Cris L. Rodriguez Telephone No. 571-272-4964		