



**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US07/63594

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: **A61M 5/14( 2006.01);A61J 9/00( 2006.01)**

USPC: 604/403;215/11.5

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. : 604/403; 215/11.5; 215/399

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 4,976,707 A (BODICKY et al) 11 December 1990 (12.11.1990), column 1, lines 14, 15, 42, 43; column 3, lines 49-52; column 4, lines 8-33; Figure 1).	1, 3, 7, 9, 13, 14, 16 ----- 2, 4, 5, 8, 10-12, 17-22
Y	US 3,744,658 A (FUJIO) 10 July 1973 (10.07.1973), Figure 1.	2, 17-22
Y	US 4,282,980 A (WINCHELL) 11 August 1981 (11.08.1981), column 2, lines 47-56; Figures 3, 4.	4, 5, 8
Y	US 2004/0116891 A1 (CURUTCHARRY) 17 June 2004 (17.06.2004), Figure 1.	12

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 claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"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)	"Y"	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
"O" document referring to an oral disclosure, use, exhibition or other means		
"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

04 December 2007 (04.12.2007)

Date of mailing of the international search report

4 FEB 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Authorized officer  
DAVID FOX

Telephone No. 571-272-1600

Facsimile No. (571) 273-3201

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/63594

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 6 and 15  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
Please See Continuation Sheet
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  2.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
  3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
  4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-5,7-14 and 16-22
- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
  - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
  - No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US07/63594

### Continuation of Box II Reason 2:

Claims 6 and 15 are withdrawn as being so unclear that a meaningful search cannot be performed. The claims contain terms which lack antecedent basis. Claim 6 depends upon claim 3 and recites "first and second protuberances" which lacks antecedent basis in claim 3. Similarly, claim 15 depends upon claim 1 and recites "a receiving end of the bottle" which lack antecedent basis in claim 1.

### BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid. Group I, claims 1-5, 7-14, and 16-22 are drawn to a system for delivering liquid nutrients to a feeding tube to provide nutrients to a patient comprising a container having a first opening and second and third openings.

Group II, claims 23 and 24 are drawn to a system for feeding an infant comprising a container having one opening.

The common technical features in all groups I and II is a container with at least one opening. This element cannot be a special technical feature because the element is shown in the prior art. Fujio (US 3,744,658 A1) teaches a dripping bottle with one opening (abstract, fig. 1).

Furthermore, each invention requires starting materials and method steps not required by the other.

The invention of Group I involves a system for delivering liquid nutrients to a feeding tube to provide nutrients to a patient, each not required by group II.

The invention of Group II involves a system for feeding an infant, each not required by group I.