

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 June 2010 (10.06.2010)

PCT

(10) International Publication Number
WO 2010/065715 A3

- (51) International Patent Classification:
A61F 5/445 (2006.01) A61B 17/03 (2006.01)
- (21) International Application Number:
PCT/US2009/066545
- (22) International Filing Date:
3 December 2009 (03.12.2009)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/120,468 7 December 2008 (07.12.2008) US
12/623,890 23 November 2009 (23.11.2009) US
- (72) Inventor; and
- (71) Applicant : **MAYER, Melanie J.** [US/US]; 246 High Street, Santa Cruz, California 95060 (US).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- Published:**
- with international search report (Art. 21(3))
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

[Continued on next page]

(54) Title: STOMA CAP DEVICE FOR OSTOMY MAINTENANCE ASSISTANCE

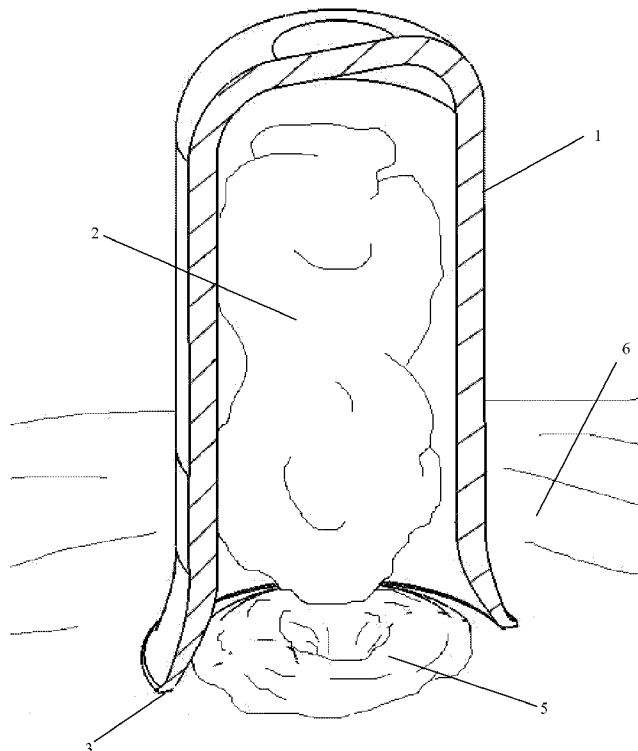


Fig. 2

(57) Abstract: Provided is a cap device for home use to temporarily cover the stoma resulting from a urostomy, colostomy or ileostomy procedure. It provides a favorable means of preventing leakage during routine cleaning around the stoma during the ostomy pouch replacement process. The device may include, in any combination, use of a flexible elastomeric material for creating low suction to assist with retention, a shaped lip for comfort and sealing, a disposable liner, or internal absorption material to help avoid spillage and leakage.



WO 2010/065715 A3

(88) Date of publication of the international search report:
14 October 2010

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/066545**A. CLASSIFICATION OF SUBJECT MATTER***A61F 5/445(2006.01)i, A61B 17/03(2006.01)i*

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)

A61F 5/445; A61F 2/00; A61F 2/02; A61F 5/44; A61H 33/00

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)

eKOMPASS(KIPO internal) & Keywords: stoma, cap, cover, ostomy, and flange.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2004-0260257 A1 (CLOK; DANUTA et al.) 23 December 2004 See abstract; paragraphs [30]-[32], [37]-[40]; claims 1-6; Figs. 2, 3.	1,4,8,11 2,3,6,7 5,9,10,12-15
Y A	US 5908379 A1 (SCHAEFER; ROBERT W. et al.) 01 June 1999 See abstract; c. 1, l. 53-c. 2, l. 32, c. 2, l. 55-c. 5, l. 21; claims 1-15; Figs. 2, 4, 6.	2,3,7 1,4-6,8-15
Y A	JP 2000-116691 A (IURA GIKEN: KK) 25 April 2000 See abstract; paragraphs [11]; Fig. 3.	6 1-5,7-15
A	US 2006-0206069 A1 (CLINE; JOHN B.) 14 September 2006 See the whole document.	1-15
A	US 2006-0058577 A1 (DAVIES; GERAINT et al.) 16 March 2006 See the whole document.	1-15

 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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"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

"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

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search

03 AUGUST 2010 (03.08.2010)

Date of mailing of the international search report

16 AUGUST 2010 (16.08.2010)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-
gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KIM Sang Woo

Telephone No. 82-42-481-8384



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/066545**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.: 16-20
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 16-20 pertain to a method for treatment of human body by surgery or therapy, thus relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.
2. Claims Nos.:
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:
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:

This ISA found multiple inventions as follows:

Group I, claims 1-13, is directed to a stoma capping device comprising a body, a lip, an opening and an interior volume.

Group II, claims 14 and 15, is directed to a stoma capping device comprising a body, a lip, an opening, two chambers and two check valves.

The only common technical feature between Groups I and II is that the device comprises a body, a lip, an opening and an interior volume. However, this feature lacks novelty and/or inventive step with respect to the following documents:

a) US 2004/0260257 A1; b) US 5908379 A1; c) JP 2000-116691 A.

Thus, there is no technical relationship left over the prior art among the claimed inventions, leaving the claims without a single general inventive concept. Hence there is lack of unity "a posteriori" (PCT Rules 13.1 and 13.2).

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 an additional fee, this Authority did not invite payment of any additional fee.
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.:

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

Information on patent family members

International application No.

PCT/US2009/066545

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004-0260257 A1	23.12.2004	DK 200101428 A EP 1429695 A1 WO 03-028596 A1	29.03.2003 23.06.2004 10.04.2003
US 5908379 A1	01.06.1999	CN 1191474 A0 EP 0831750 A1 EP 0831751 A1 EP 0836443 A1 JP 11-506671 A JP 11-509111 A JP 11-514890 A WO 96-39989 A1	26.08.1998 01.04.1998 08.03.2000 22.04.1998 15.06.1999 17.08.1999 21.12.1999 19.12.1996
JP 2000-116691 A	25.04.2000	None	
US 2006-0206069 A1	14.09.2006	AU 2003-202522 A1 AU 2003-203221 A1 CA 2420820 A1 CA 2423447 A1 CN 1973368 A EP 1348411 A1 EP 1348412 A1 EP 1761952 A1 JP 04-252345 B2 JP 04-405742 B2 JP 2003-290264 A JP 2003-290265 A JP 2006-204952 A JP 2008-229368 A JP 2008-229369 A JP 2008-504693 A JP 2009-131646 A KR 10-2007-0029830 A TW 287863 A US 2003-0187393 A1 US 2004-0181197 A1 US 2004-0193122 A1 US 2006-0001106 A1 US 2006-0214237 A1 US 2008-0119804 A1 US 6723079 B2 US 7060568 B2 US 7347844 B2 WO 06-012311 A1	23.10.2003 23.10.2003 27.09.2003 27.09.2003 30.05.2007 01.10.2003 01.10.2003 14.03.2007 08.04.2009 13.11.2009 14.10.2003 14.10.2003 10.08.2006 02.10.2008 02.10.2008 14.02.2008 18.06.2009 14.03.2007 01.10.2007 02.10.2003 16.09.2004 30.09.2004 05.01.2006 28.09.2006 22.05.2008 20.04.2004 13.06.2006 25.03.2008 02.02.2006
US 2006-0058577 A1	16.03.2006	None	