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61/426,052	22 December 2010 (22.12.2010)	US
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[Continued on next page]

(54) Title: CATHETER ASSEMBLY AND A METHOD AND SYSTEM FOR PRODUCING SUCH AN ASSEMBLY

(57) Abstract: A catheter assembly is disclosed, comprising a catheter (1), such as a urinary catheter, which at least a partly is provided with a hydrophilic coating (14). The catheter assembly further comprises a wetting fluid. The receptacle (2) is in direct contact with the hydrophilic coating of the catheter over essentially the entire length of the part of the catheter being provided with the hydrophilic coating. This may e.g. be achieved by using a shrink wrap material. In order to accomplish adequate wetting, channels (15, 151, 22, 221) or the like may be provided on the inner surface of the receptacle or the outer surface of the catheter.

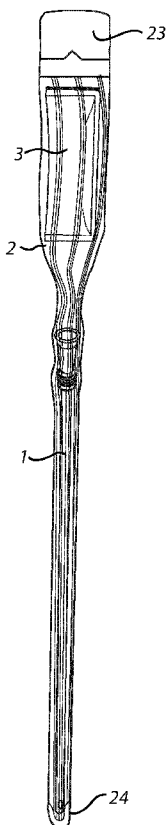


Fig. 1B





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, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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))

(88) Date of publication of the international search report:

7 September 2012

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/073624

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M25/00
ADD.

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)
A61M B65D

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)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/109648 A1 (KERZMAN MICHELE [GB] ET AL) 26 May 2005 (2005-05-26) cited in the application	1-3,5,6, 8-11
Y	the whole document	7
X	US 2004/074794 A1 (CONWAY ANTHONY J [US] ET AL) 22 April 2004 (2004-04-22) cited in the application	1-3,5,6, 8-11
Y	the whole document	7
X	GB 1 465 544 A (INT PAPER CO) 23 February 1977 (1977-02-23)	1,5-7,9, 11-13
Y	column 1, line 12 - column 5, line 20; figure 1	7
X	US 3 967 728 A (GORDON ROBERT L ET AL) 6 July 1976 (1976-07-06)	1,5-7,9, 11-13
Y	columns 2,3; figure 1	7
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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 another 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 9 July 2012	Date of mailing of the international search report 18/07/2012
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Rodrigues, Elodie
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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/073624

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/091145 A1 (HOUSE JAMIE GLEN [US]) 17 April 2008 (2008-04-17) paragraphs [0028] - [0031]; figures 1a, 1b -----	1-3,5,7, 10-13
A	US 5 765 682 A (BLEY BOB [US] ET AL) 16 June 1998 (1998-06-16) column 5, line 11 - column 5, line 52; figure 2 -----	12,13
A	US 2005/143625 A1 (WHITMORE WILLET F III [US] ET AL) 30 June 2005 (2005-06-30) paragraph [0031] -----	12,13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2011/073624

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.:
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:

see additional 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 an additional fees, this Authority did not invite payment of 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.:

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Catheter assembly comprising a receptacle and a catheter with a hydrophilic coating wherein at least one of the inner surface of the receptacle facing the hydrophilic coating and the outer surface of the hydrophilic coating, facing the receptacle comprises a surface texture forming channels between the receptacle and the hydrophilic coating, the areas between the channels forming areas of direct contact between the receptacle and the hydrophilic coating.

2. claims: 12, 13

Method and system for manufacturing a catheter assembly and respectively comprising heat shrinking method step/means whereby the receptacle, at least partly comes into direct contact with the catheter.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/073624

Patent document cited in search report	Publication date	Publication date	Patent family member(s)	Publication date
US 2005109648	A1	26-05-2005	NONE	

US 2004074794	A1	22-04-2004	AU 2003282931 A1	04-05-2004
			CA 2502230 A1	29-04-2004
			EP 1556113 A1	27-07-2005
			JP 2006502806 A	26-01-2006
			US 2004074794 A1	22-04-2004
			WO 2004035123 A1	29-04-2004

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US 5765682	A	16-06-1998	NONE	

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