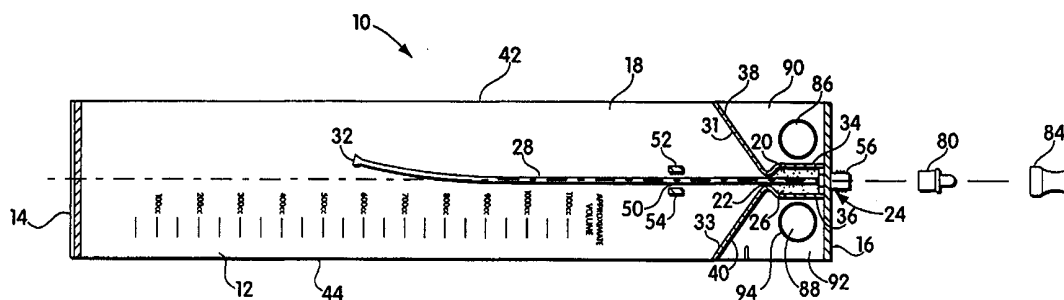




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification<sup>6</sup> : A61M 25/00, 25/01</p>	<p>A3</p>	<p>(11) International Publication Number: <b>WO 99/42155</b> (43) International Publication Date: 26 August 1999 (26.08.99)</p>
<p>(21) International Application Number: PCT/US99/03824 (22) International Filing Date: 23 February 1999 (23.02.99) (30) Priority Data: 09/027,678 23 February 1998 (23.02.98) US (71) Applicant: TYCO INTERNATIONAL (US) INC. [US/US]; 1 Tyco Park, Exeter, NH 03833 (US). (72) Inventors: DAIGNAULT, Kenneth, J., Jr.; 15 Quinapoxet Lane, Jefferson, MA 01522 (US). COELHO, Donald, A., Jr.; 511 Lake Street, Bellingham, MA 02019 (US). BURNES, Lee, C.; 107 George Street, North Attleboro, MA 02760 (US). WALLS, James, A.; 24 Horizons Road, Sharon, MA 02067 (US). (74) Agents: KORIS, David; The Kendall Co., 15 Hampshire Street, Mansfield, MA 02048 (US) et al.</p>		<p>(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 25 November 1999 (25.11.99)</p>

(54) Title: SELF-CONTAINED URETHRAL CATHETER ASSEMBLY WITH LUBRICATING CHAMBER



## (57) Abstract

A self-contained, self-lubricating catheter assembly is provided. A receptacle formed of two opposed flexible walls includes a main chamber and a lubrication chamber separated by a passage. A lubricant is provided in the lubrication chamber. A catheter is advanced from the main chamber through the lubrication chamber and picks up lubricant as it passes through the lubrication chamber. A catheter grasping mechanism, located proximate the exit from the lubrication chamber, permits advancement of the catheter out of the receptacle and resists movement of the catheter back into the receptacle. The receptacle also includes one or more finger holes therethrough to allow the user to retain the receptacle on one or more fingers, thereby allowing the hand to more readily position the receptacle during use while advancing the catheter.

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/03824

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 6 A61M25/00 A61M25/01

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)  
 IPC 6 A61M

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 practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 06642 A (MEDICAL MARKETING) 19 February 1998 (1998-02-19) page 13, line 20 -page 20, line 5; figures ---	1-6,8, 13-16
X	AT 369 994 B (ILLINOIS TOOL WORKS) 25 February 1983 (1983-02-25) page 3, line 22 -page 4, line 53; figures ---	1,4-6,13
A	US 5 454 798 A (KUBAKAK) 3 October 1995 (1995-10-03) column 2, line 59 -column 4, line 26; figures ---	1-6,13, 14
A	GB 1 493 257 A (POWERS) 30 November 1977 (1977-11-30) page 1, line 76 -page 2, line 20; figures -----	1,4-6, 13,18,19

Further documents are listed in the continuation of box C.

Patent family members are listed in 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 document 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)
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- \*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.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

17 June 1999

Date of mailing of the international search report

11. 10. 1999

Name and mailing address of the ISA

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Authorized officer

KOUSOURETAS, I

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 99/03824

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

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.:

1-21

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International Application No. PCT/US 99/03824

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-21

A catheter assembly comprising a receptacle with two opposed walls and a main chamber, a catheter disposed within the receptacle, an exit in the distal end of the receptacle and a lubrication chamber with a passage separating the main chamber from the lubrication chamber and a lubricating material disposed in the lubrication chamber.

2. Claims: 22-31

A catheter assembly comprising a receptacle with two opposed walls and a main chamber, a catheter disposed within the receptacle, an exit in the distal end of the receptacle and a catheter grasping mechanism located within the exit and having a passageway to allow the catheter to pass through and operative to retain the catheter therein.

3. Claims: 32-39

A catheter assembly comprising a receptacle with two opposed walls and a main chamber, a catheter disposed within the receptacle, an exit in the distal end of the receptacle and at least a further portion of the opposed walls and at least one finger hole disposed through the further portion of the opposed walls.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. l. Application No <b>PCT/US 99/03824</b>
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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