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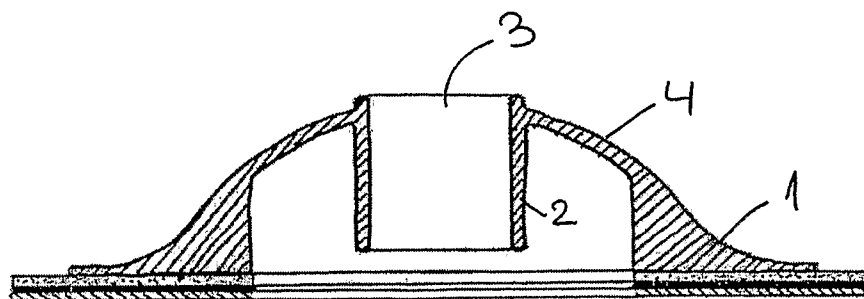
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN ACCESS PORT



(57) Abstract: An access port for enabling passage of a conduit through a partition wall, said port comprising three portions, a sleeve portion surrounding an aperture for receiving a conduit there through, a flange portion for attachment to the partition wall, said flange portion encircles the sleeve portion and has a greater diameter than the sleeve portion, and a membrane portion connecting the flange portion and the sleeve portion. The port may be suitable for, in a leak-proof manner, passing a catheter or drain tube through the wall of a medical device such as a wound care device or a drainage bag.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/DK2006/000401

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M25/02

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 A61B

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)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 354 283 A (BARK JEFFREY E [US] ET AL) 11 October 1994 (1994-10-11) the whole document	1, 15-18, 27-36, 38, 40, 41
X	US 3 882 853 A (GOFMAN JOHN W ET AL) 13 May 1975 (1975-05-13) column 4, line 48 - column 5, line 43; figures 1-3	1-3, 12, 14-18, 27, 28, 36, 38, 39

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 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)
- *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.
- *Z* document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No
PCT/DK2006/000401

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 3 856 020 A (KOVAC S) 24 December 1974 (1974-12-24) column 2, line 40 - column 4, line 7; figures 1-4	1,2,5, 12-19, 22-27, 36,38, 40,41
X	EP 0 039 183 B1 (GORE & ASS [US]) 11 July 1984 (1984-07-11) column 4, line 1 - column 6, line 13; figures 1-3	1-3,5, 7-14, 16-19, 21-30, 40,41
X	US 5 626 597 A (URBAN CARL T [US] ET AL) 6 May 1997 (1997-05-06) column 7, line 33 - column 12, line 4; figures 9-23	1-3,5, 19,21, 27,36, 38,40,41
X	EP 1 433 494 A1 (SUMITOMO BAKELITE CO [JP]; OISHI HIDETO [JP]) 30 June 2004 (2004-06-30) the whole document	1,2,5, 12-19, 21,22, 27,28, 36,38, 40,41
X	US 4 755 173 A (KONOPKA APRIL A [US] ET AL) 5 July 1988 (1988-07-05) column 5, line 34 - column 10, line 6; figures 1-5	1-3,5, 12, 16-19, 27,28, 36,38, 40,41
A	US 5 752 938 A (FLATLAND MARTIN L [US] ET AL) 19 May 1998 (1998-05-19) abstract; figures 1-28	1-6, 12-41
A	US 5 073 169 A (RAIKEN STEVE [US]) 17 December 1991 (1991-12-17) abstract	1-6, 12-41
X	WO 93/25264 A (NIKOMED APS [DK]; HORBY JOHN [DK]) 23 December 1993 (1993-12-23) the whole document	7-19,21, 27-30, 38,40,41
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INTERNATIONAL SEARCH REPORT

International application No
PCT/DK2006/000401

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 3 487 837 A (PETERSEN ROY A) 6 January 1970 (1970-01-06) the whole document	7-11,13, 14,16, 27-30, 33-36, 38,40,41
A	US 5 176 648 A (HOLMES JEFFREY E [US] ET AL) 5 January 1993 (1993-01-05) abstract; figures 1-7	1-41
X	US 4 767 411 A (EDMUNDS L HENRY [US]) 30 August 1988 (1988-08-30)	7-11
A	abstract; figures 2-9	12-41

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK2006/000401

Box 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 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 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.
- 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: 1-6,12-41

access port characterized by a sleeve portion comprising a upper lip and a lower lip

2. claims: 7-11

an access port characterized by a membrane portion having a width of at least 60% of the diameter of the aperture of the sleeve portion

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/DK2006/000401

Patent document cited in search report	Publication date	Publication date	Patent family member(s)	Publication date
US 5354283	A	11-10-1994	NONE	
US 3882853	A	13-05-1975	NONE	
US 3856020	A	24-12-1974	NONE	
EP 0039183	B1	11-07-1984	AR 222766 A1	15-06-1981
			AU 546370 B2	29-08-1985
			AU 6931281 A	29-10-1981
			BR 8102396 A	22-12-1981
			CA 1155022 A1	11-10-1983
			DE 3164681 D1	16-08-1984
			DK 178781 A	23-10-1981
			EP 0039183 A1	04-11-1981
			FI 811242 A	23-10-1981
			GB 2074877 A	11-11-1981
			GR 74460 A1	28-06-1984
			IN 155190 A1	12-01-1985
			JP 56166844 A	22-12-1981
			NO 811355 A	23-10-1981
			US 4321914 A	30-03-1982
			ZA 8102632 A	28-04-1982
US 5626597	A	06-05-1997	CA 2168932 A1	22-08-1996
EP 1433494	A1	30-06-2004	CA 2462829 A1	17-04-2003
			US 2005033240 A1	10-02-2005
US 4755173	A	05-07-1988	NONE	
US 5752938	A	19-05-1998	NONE	
US 5073169	A	17-12-1991	AU 8906291 A	28-04-1992
			WO 9205819 A1	16-04-1992
WO 9325264	A	23-12-1993	NONE	
US 3487837	A	06-01-1970	NONE	
US 5176648	A	05-01-1993	AT 163258 T	15-03-1998
			AU 662575 B2	07-09-1995
			AU 2993292 A	17-06-1993
			CA 2084426 A1	14-06-1993
			DE 69224465 D1	26-03-1998
			DE 69224465 T2	10-06-1998
			EP 0546766 A2	16-06-1993
			JP 5245154 A	24-09-1993
US 4767411	A	30-08-1988	CA 1288304 C	03-09-1991
			EP 0381673 A1	16-08-1990
			JP 2504349 T	13-12-1990
			WO 8900434 A1	26-01-1989