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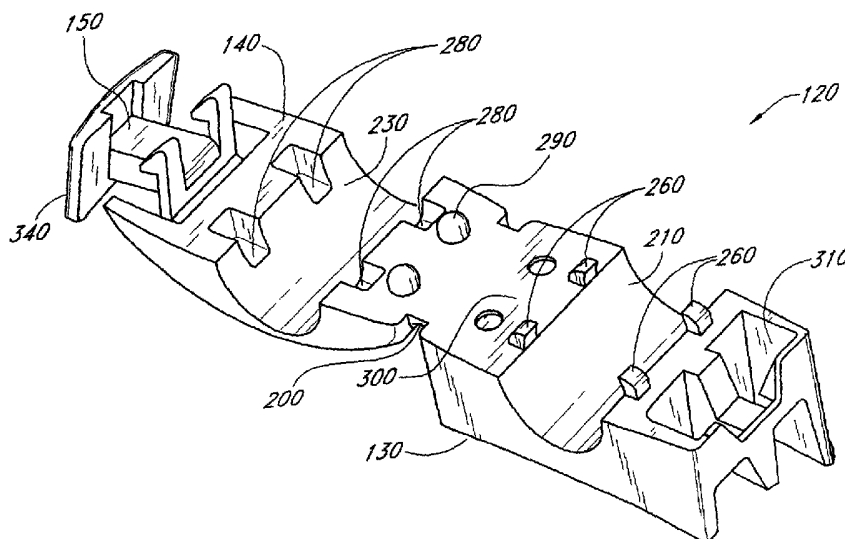
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SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: MEDICAL LINE SECUREMENT DEVICE



(57) Abstract: A medical line securement device (100) holds a medical article such as a connector fitting for a catheter or a catheter adaptor in position upon the body of a patient and inhibits axial motion of the medical article. The securement device includes a retainer (120) with a base (130) and a cover (140). The cover is hinged to the base such that it may be moved between an open and closed position. The base and cover each have a groove (210, 230) which cooperate when the cover is in the closed position to form a channel (250) through the retainer. The medical article includes an elongated body which is received within the groove of the retainer, the elongated body lying between at least a pair of regions of larger radius of the medical article. By receiving the portion of the elongated body of the medical article between the regions of larger radius, axial motion of the medical article through the groove is inhibited. The retainer may also include one or more slots to receive any radial projections of the medical article within the retainer.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/13803

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 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)  
IPC 7 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)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 213 979 B1 (BIERMAN STEVEN F) 10 April 2001 (2001-04-10) column 14, line 33 - column 16, line 9; figures 6-9 column 17, line 6 - column 19, line 52 figures 10A,10B,11,12 column 20, lines 12-30	1-8
X	US 5 916 199 A (MILES JOHN E) 29 June 1999 (1999-06-29) column 6, line 1 - column 7, line 61 column 8, lines 4-15	1-3,7-9
Y	figures 2,3	10
Y	EP 0 567 029 A (BECTON DICKINSON CO) 27 October 1993 (1993-10-27) column 2, line 40 - column 5, line 6 figures 1-9	10
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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)

"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

10 October 2003

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05. 04. 2004

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 03/13803

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 4 224 937 A (GORDON MARVIN) 30 September 1980 (1980-09-30) column 4, lines 44-68 figures 16,17	1,4-7
A	----- WO 99/55409 A (VENETEC INT INC) 4 November 1999 (1999-11-04) page 5, lines 30-34; figure 1 page 6, lines 6-11 - lines 24-31; figures 11,14 page 7, line 30 - page 9, line 23; figures 2-5 page 17, line 19 - page 19, line 7; figures 11,12,14 page 19, lines 19-21 page 25, line 7 - page 26, line 7; figure 16 page 26, line 19 - page 27, line 34; figure 17 page 28, lines 1-24; figure 18 -----	1-10
A	US 5 810 781 A (BIERMAN STEVEN F) 22 September 1998 (1998-09-22) column 3, line 50 - column 4, line 12 column 4, line 28 - column 6, line 13 column 7, line 63 - column 8, line 47 figures 1-4 -----	1-10

# INTERNATIONAL SEARCH REPORT

International application No.  
CT/US 03/13803

## 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:

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.:

1-10

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: 1-10

A releasable medical line securement system wherein a radially extending member of a medical article abuts at least one surface of the retainer to inhibit longitudinal motion of the medical article through the retainer.

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2. claims: 11-17

A retainer for releasably securing a fitting of an elongated medical article, said retainer comprising a channel having a minimum radial dimension which is smaller than a maximum radial dimension of the fitting.

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3. claims: 18-49

A releasable medical line securement system comprising a retainer having a channel configured to receive at least a portion of an elongated body of a medical article, said elongated body being located between two radially extending regions of the medical article, as well as a method for releasably securing a medical article to the retainer.

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## INTERNATIONAL SEARCH REPORT

International Application No

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