

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 October 2011 (27.10.2011)

PCT

(10) International Publication Number
WO 2011/133446 A3

(51) International Patent Classification:

A61B 17/22 (2006.01) A61B 17/28 (2006.01)
A61B 17/3205 (2006.01) A61B 17/34 (2006.01)

(21) International Application Number:

PCT/US2011/032837

(22) International Filing Date:

18 April 2011 (18.04.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/765,574 22 April 2010 (22.04.2010) US

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(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, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, 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, RS, 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))

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

23 February 2012

(54) Title: SNARE

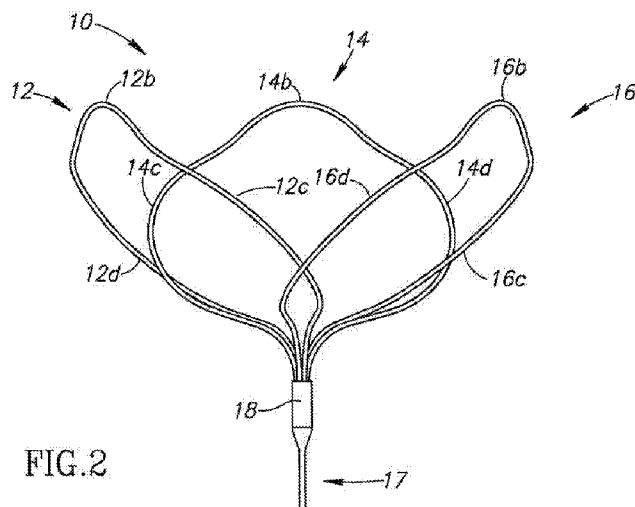


FIG. 2

(57) Abstract: A snare for snaring an article in a vessel of a vascular system or other body vessel. The snare includes a core cable having a proximal end portion and a distal end portion. The snare also includes first, second and third loops each having a proximal end portion and a distal end portion, and a mid-portion therebetween formed by spaced apart first and second sides connected together at the distal end portion of the loop. The mid-portions of each of the loops cross over mid portions of one of the other two loops, and the loops are only connected together at their proximal end portions, where they are gathered together and attached to the distal end portion of the core cable. The loops are movable between an open position and a closed position.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/032837**A. CLASSIFICATION OF SUBJECT MATTER***A61B 17/22(2006.01)i, A61B 17/3205(2006.01)i, A61B 17/28(2006.01)i, A61B 17/34(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)

A61B 17/22; A61B 17/50; A61F 2/01; A61B 17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: snare, loop, cable, core

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0086149 A1 (DIAMANT, VALERY et al.) 10 April 2008 See abstract; figs. 1A-1C, 3B; paragraphs 8, 9, 55, 61, 63, 73, 75, 76, 82; claims 1-5, 7, 9, 14, 18, 19.	1-23
A	US 6458145 B1 (RAVENSCROFT, ADRIAN C. et al.) 01 October 2002 See abstract; fig. 3; columns 2-4; claims 1, 3-6, 14.	1-23
A	US 6280451 B1 (BATES, JAMES S. et al.) 28 August 2001 See abstract; figs. 1A-1C, 2A, 2B; columns 1-3, 5, 6; claims 1-3, 14, 15, 18.	1-23
A	US 05133733 A (RASMUSSEN, ERIK et al.) 28 July 1992 See abstract; figs. 1-3; columns 1, 2; claims 1, 4.	1-23

 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

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"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

23 DECEMBER 2011 (23.12.2011)

Date of mailing of the international search report

26 DECEMBER 2011 (26.12.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsa-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2011/032837**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.: 24-27
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 24-27 pertain to method for treatment of human body by surgery or therapy, and thus relate to a subject matter which this International Searching Authority is not required to search under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT.
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:

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.

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