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13/523,632 14 June 2012 (14.06.2012) 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, 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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[Continued on next page]

(54) Title: COMPRESSION DEVICE

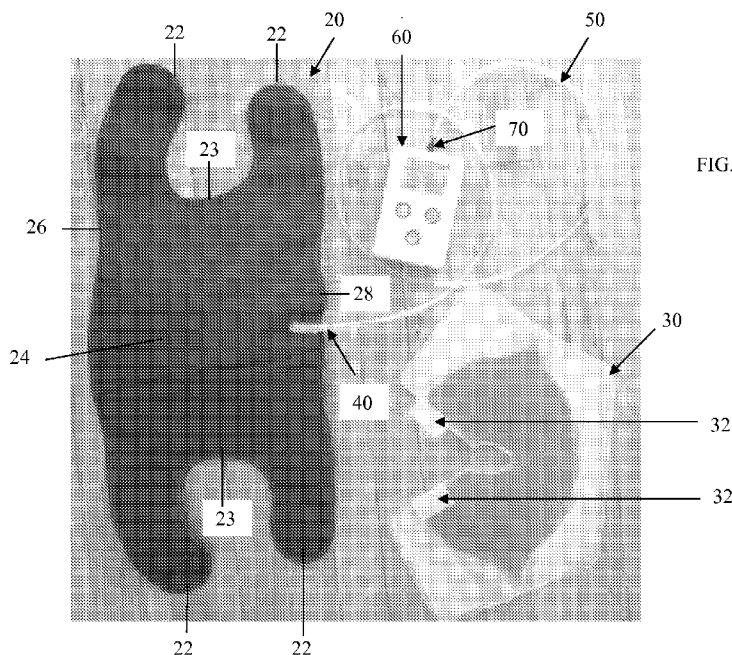


FIG. 1A

(57) Abstract: Described are improved apparatus and devices for intermittently and sequentially compressing a body site and methods for using said apparatus and devices, especially for site specific treatment to achieve a desired temperature of the underlying tissue. The apparatus includes a first segment cooperative with a fluid chamber, the fluid chamber adapted for inflation by fluid; and a second segment cooperative with the first segment, the second segment housing a temperature sensitive material, wherein the temperature sensitive material is uniquely compartmentalized in the second segment.

WO 2012/174276 A3

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))*
- *of inventorship (Rule 4.17(iv))*

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:
11 April 2013

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/042510**A. CLASSIFICATION OF SUBJECT MATTER***A61H 23/04(2006.01)i, A61F 13/06(2006.01)i, A61F 13/10(2006.01)i, A61F 7/00(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)

A61H 23/04; A61B 18/04; A61F 15/00; A61F 5/00; A61F 7/00

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: compression, temperature sensitive, joint

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6416534 B1 (JAMES MONTAGNINO et al.) 09 July 2002. See column 2, lines 57-63; column 3, lines 64-66; column 4, lines 10-11; column 6, lines 19-67; column 7, lines 2-50; column 8, lines 3-9; and figure 4A, 5.	1,3-6,8-11,13,14 .17
Y		2
A		7,12,15,16,18,19
Y	US 7846141 B2 (RICHARD SCOTT WESTON) 07 December 2010. See column 14, lines 37-40.	2
A	US 2008-0132976 A1 (JOHN ROY KANE et al.) 05 June 2008. See paragraphs [0079], [0087], [0115].	1-19
A	US 2007-0161932 A1 (EREZ PICK et al.) 12 July 2007. See paragraph [0047]; and figure 2B.	1-19
A	US 05409500 A (DAN DYREK) 25 April 1995. See column 3, line 61-column 4, line 9; and figures 1, 6.	1-19

 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 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

29 JANUARY 2013 (29.01.2013)

Date of mailing of the international search report

30 JANUARY 2013 (30.01.2013)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2012/042510**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.: 20-22
because they relate to subject matter not required to be searched by this Authority, namely:

Claims 20-22 pertain to methods for treatment of the human body by therapy, as well as diagnostic methods, 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.

PCT/US2012/042510

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6416534 B1	09.07.2002	None	
US 7846141 B2	07.12.2010	US 2004-0073151 A1 US 2011-0046585 A1 US 2011-0077604 A1 US 8062273 B2 US 8118794 B2	15.04.2004 24.02.2011 31.03.2011 22.11.2011 21.02.2012
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