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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 May 2008 (02.05.2008)

PCT

(10) International Publication Number
WO 2008/051521 A3

(51) **International Patent Classification:**
A61B 18/18 **(2006.01)** ***A61N 1/18*** **(2006.01)**

(21) **International Application Number:**
PCT/US2007/022433

(22) International Filing Date: 22 October 2007 (22.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/852,927	20 October 2006 (20.10.2006)	US
Not furnished	22 October 2007 (22.10.2007)	US

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(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available):* AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, **BR,** BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

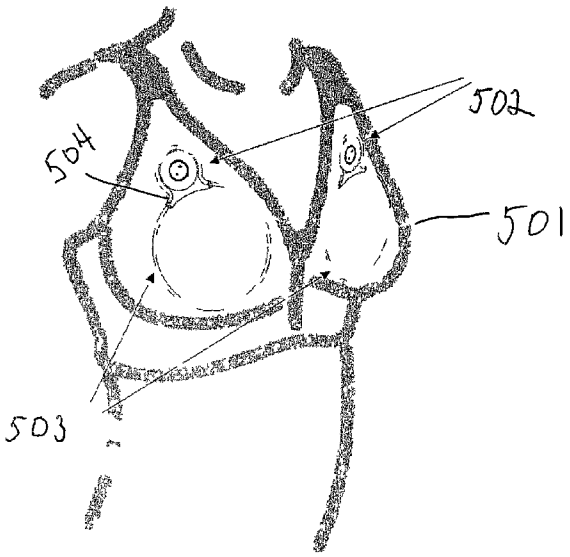
Published:

— *with international search report*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
24 July **2008**

(54) Title: EXCESSIVE FIBROUS CAPSULE FORMATION AND CAPSULAR CONTRACTURE APPARATUS AND METHOD FOR USING SAME



(57) Abstract: An apparatus comprising an electromagnetic signal generating means for emitting signals comprising bursts of at least one of sinusoidal, rectangular, chaotic, and random waveforms, having a range of frequency content, burst durations, and burst repetitions, wherein the waveforms are adapted to a frequency response of the fibrous capsule formation and capsular contracture target pathway structure and to have sufficient signal to noise ratio of at least about 0.2 in respect of a given fibrous capsule formation and capsular contracture target pathway structure to modulate at least one of ion and ligand interactions in that fibrous capsule formation and capsular target pathway structure, and wherein the electromagnetic signal generating means and electromagnetic signal coupling means are incorporated into a garment.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US 07/22433

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61B 18/18; A61N 1/18 (2008.01)
USPC - 606/32, 606/41, 607/115, 607/149
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(8) A61 B 18/18; A61N 1/18 (2008.01)
USPC: 606/32, 606/41, 607/1 15, 607/149

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC 606/34

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Electronic Databases Searched- PubWEST(USPT,PGPB,EPAB;JPAB); Google Scholar, Google Patents, Google
Search Terms Used- electromagnets, modulatS, ion, ions, ligand, calmodulin, fibrous, signal, noise, ratio, capsulS, fibrous, formation, garments, clothing, brass ter$, thermal fluctuat$, nitric oxide, enhance, messengers

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2006/0212077 A1 (Pilla et al.) 21 September 2006 (21 09.2006), para[0017], [0024], [0036], [0067], [0071], [0072], [0083], [0084], [0092], [0085], [0073], claim 3; Fig 8	1-20, 23-25 --- 21 and 22
Y	US 2006/0161226 A1 (McMickle). 20 July 2006 (20 07.2006); Abstract	21 and 22

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
07 April 2008 (07.04 2008)	12 MAY 2008

Name and mailing address of the ISA/US	Authorized officer
Mail Stop PCT, Attn ISA/US, Commissioner for Patents P O Box 1450, Alexandria, Virginia 22313-1450 Facsimile No 571-273-3201	Lee W. Young PCT Helpdesk 571-272-4300 PCT OSP 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2007)