

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 November 2008 (20.11.2008)

(10) International Publication Number
WO 2008/140855 A3

(51) International Patent Classification:
A61N 5/06 (2006.01)

(21) International Application Number:
PCT/US2008/056051

(22) International Filing Date:
6 March 2008 (06.03.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/746,139 9 May 2007 (09.05.2007) 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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 (Art. 21(3))

(88) Date of publication of the international search report:
21 January 2010



WO 2008/140855 A3

(54) Title: THERAPEUTIC DEVICE INCORPORATING LIGHT AND COLD THERAPY MODALITIES

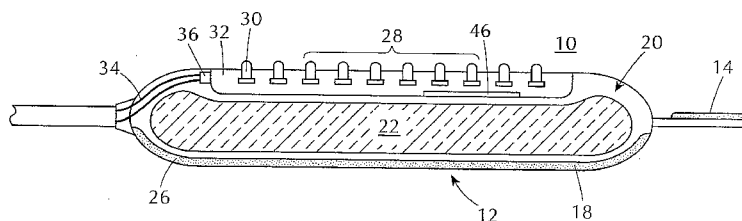


FIG. 1

(57) Abstract: A therapeutic device for human and animal use comprises light emitters for applying light energy to a chosen target area of a patient in combination with target area cooling. Control over the intensity, duration and/or sequencing of the light energy is provided, and the light energy therapy may be combined with other modalities. The device may be in the form of a pad, capable of being affixed against the portion of the body, such as a wrist, ankle or neck by a strap.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 08/56051

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61N 5/06 (2009.01)

USPC - 607/88

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)
USPC: 607/88

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 607/80; 607/88; 607/90; 607/91; 607/93; 606/2; 606/13; 606/20; 606/22; search terms below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(USPT,PGPB,EPAB,JPAB); Google Scholar; Google Patents
Search Terms Used: light, emit, emitting, cooling, cool, heat, removal, chiller, substrate, pad, ice, coolant, electrical, chemical, neck, wrist, ankle

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 6,443,978 B1 (ZHAROV) 03 September 2002 (03.09.2002), entire document especially Fig. 1, Fig. 2, Fig. 3, Fig. 12, col 3 ln 12-24, col 3 ln 34-45, col 6 ln 5-18, col 7 ln 36-61, col 8 ln 16-26, col 10 ln 32-49, claim 41, claim 65, claim 79, and claim 80 | 1-8, 11-16 ----- 9-10, 17-19 |
| Y | US 2007/0078501 A1 (ALTSHULER et al.) 05 April 2007 (05.04.2007), entire document especially para [0073], para [0081], para [0083], para [0088], para [0090], para [0093] para [0149], and para [0159] | 9-10 |
| Y | US 2007/0073365 A1 (BUTLER) 29 March 2007 (29.03.2007), para [0026]-[0028] | 17 |
| Y | US 6,350,276 B1 (KNOWLTON) 26 February 2002 (26.02.2002), col 4 ln 1-13, col 4 ln 55-67, and col 5 ln 1-15 | 18, 19 |
| Y | US 2006/0122585 A1 (CONNORS et al.) 08 June 2006 (08.06.2006), Fig. 3A, Fig. 3B, para [0036], and para [0038] | 19 |

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| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
20 May 2009 (20.05.2009)

Date of mailing of the international search report
09 JUN 2009

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