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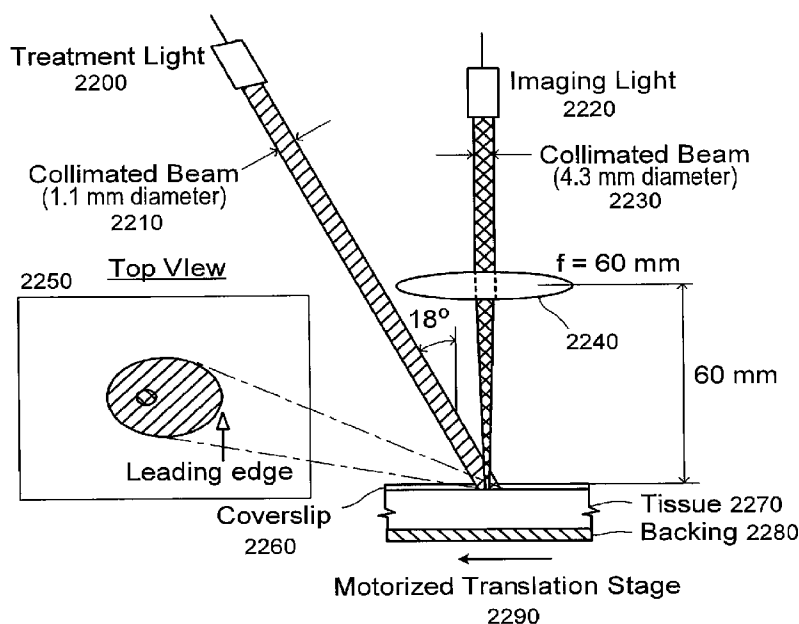
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(54) Title: METHODS AND SYSTEMS FOR PROVIDING ELECTROMAGNETIC RADIATION TO AT LEAST ONE PORTION OF A SAMPLE USING CONFORMAL LASER THERAPY PROCEDURES



(57) Abstract: According one exemplary embodiment of the present invention, method and system can be provided for applying a laser radiation to at least one portion of a biological structure. For example, a beam of the laser radiation can be provided to the portion, whereas a cross-sectional area of the beam is at most about 1/10th of an entire area of the at least one portion. The beam can be applied to the portion (a) based on a predetermined pattern, (b) while modulating a wavelength of the laser radiation, and/or (c) while monitoring a depth of the application of the laser radiation.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/061479

A. CLASSIFICATION OF SUBJECT MATTER
 INV. A61B18/20 A61N5/06

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 A61N

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/036680 A1 (BLACK MICHAEL [US]) 20 February 2003 (2003-02-20) abstract; figure 7 paragraph [0006] - paragraph [0010] paragraph [0022] - paragraph [0023] -----	11, 12, 14-16, 19, 20
X	WO 96/28212 A (INNOTECH USA INC [US]) 19 September 1996 (1996-09-19) abstract	11, 12, 14-16, 19, 20
Y	page 17, line 22 - page 22, line 5 -----	13, 17, 18
X	US 2004/231682 A1 (STOLTZ RICHARD [US] ET AL) 25 November 2004 (2004-11-25) abstract paragraph [0008] - paragraph [0012] ----- -/--	11

☒ 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 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

11 January 2008

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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/58195 A (DELIGHT TECHNOLOGIES LTD [IL]; AZAR ZION [IL]) 18 November 1999 (1999-11-18) abstract page 4, line 10 - page 5, line 31 -----	13
Y	JP 02 110839 A (MATSUSHITA ELECTRIC IND CO LTD) 24 April 1990 (1990-04-24) abstract -----	17
Y	WO 95/18984 A (COHERENT INC [US]; KOOP DALE E [US]) 13 July 1995 (1995-07-13) abstract -----	18
A	WO 01/78830 A (MEDELASER LLC [US]; CASEY SEAN M [US]; GERDES HAROLD M [US]) 25 October 2001 (2001-10-25) abstract page 11, line 8 - page 19, line 17 -----	11-13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/061479

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.: 1-10
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery and therapy
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 allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers 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/US2007/061479

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