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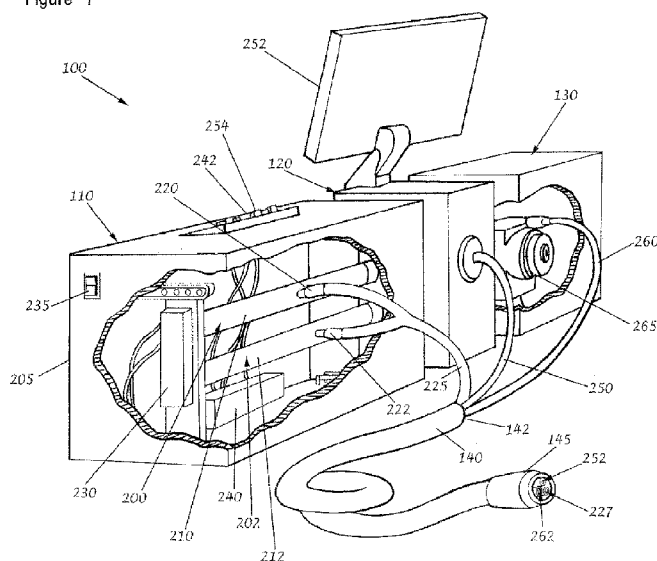
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(54) Title: METHOD AND APPARATUS FOR THE COMBINED APPLICATION OF LIGHT THERAPY, OPTIC DIAGNOSIS AND FLUID TO TISSUE

Figure 1



(57) Abstract: In one embodiment there is provided a system for light therapy. The system includes a light guide transmission device having at least one UV bulb for dispersing UV light a light guide cable to a light guide terminating end, an optical capturing device operable to receive an image from a lens positioned at an optical cable terminating end, and a fluid delivery/suction device along a flexible hose. Each of the cables being inserted into a probe cable having a tip adapted for use internally or externally with a patient. Further the system includes a single controller in communication with and for controlling the functionality of the light guide transmission device, the optical capturing device, and the fluid delivery/suction device.

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2010/026038****A. CLASSIFICATION OF SUBJECT MATTER***A61N 5/06(2006.01)i, G02B 6/44(2006.01)i, G02B 6/42(2006.01)i, G02B 6/00(2006.01)i, A61M 1/08(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)

A61N 5/06; G02B 6/26; A61M 15/00; A61B 18/18

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) &amp; Keywords: light guide, transmission, UV light

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                 | Relevant to claim No. |
|-----------|----------------------------------------------------------------------------------------------------|-----------------------|
| A         | US 2005-0279354 A1 (HARVEY DEUTSCH et al.) 22 December 2005<br>See abstract and claims 1,19,20     | 1-9                   |
| A         | US 2006-0276862 A1 (DEAN IRWIN) 07 December 2006<br>See abstract and claims 1,8,15                 | 1-9                   |
| A         | US 2003-0215180 A1 (CHRIS, F. DIMAS et al.) 20 November 2003<br>See abstract and claims 1,10,13,23 | 1-9                   |

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)                                                                                                                 | Publication<br>date                                                                            |
|-------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| US 2005-0279354 A1                        | 22.12.2005          | None                                                                                                                                       |                                                                                                |
| US 2006-0276862 A1                        | 07.12.2006          | AU 2002-245163 A8<br>US 2002-0183811 A1<br>US 2005-0015124 A1<br>US 2007-0282402 A1<br>US 7276059 B2<br>WO 02-055149 A2<br>WO 02-055149 A3 | 24.07.2002<br>05.12.2002<br>20.01.2005<br>06.12.2007<br>02.10.2007<br>18.07.2002<br>18.07.2002 |
| US 2003-0215180 A1                        | 20.11.2003          | US 6707964 B2                                                                                                                              | 16.03.2004                                                                                     |