Title: LOW POWER LASER THERAPY CONTROL

Abstract: A method of monitoring and controlling the sub-threshold laser treatment of a patient’s retina. Sensors are located on a patient to measure focal electroretinograms (FERG) (10). A stimulating beam (20) is delivered onto the patient’s retina. A pretreatment FERG signal is collected (10c). Treatment FERG signals (10a) are collected while treating the retina with a sub-threshold laser treatment. A difference is determined (22) between the pre-treatment and treatment FERG signals. The difference is used to control (24) the termination of the treatment.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : A61B 18/20
US CL : 606/4, 12, 13
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)
U.S. : 606/4, 12, 13

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>WO 200180792 A (REICHEL) 1November 2001, See the entire document</td>
<td>1-56</td>
</tr>
<tr>
<td>Y</td>
<td>US 5297554 A (GLYNN) 29 March 1994 See the entire document</td>
<td>1-56</td>
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</tbody>
</table>

□ 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
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Date of the actual completion of the international search

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Date of mailing of the international search report
25 Nov 2003

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