Title: HYDROPHILIC LIGHT ABSORBING COMPOSITIONS FOR DETERMINATION OF PHYSIOLOGICAL FUNCTION IN CRITICALLY ILL PATIENTS

Abstract: Highly hydrophilic indole and benzoindole derivatives that absorb and fluoresce in the visible region of light are disclosed. These compounds are useful for physiological and organ function monitoring. Particularly, the molecules of the invention are useful for optical diagnosis of renal and cardiac diseases and for estimation of blood volume in vivo.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : A61K 49/00; C07D 209/56; A01N 43/38
   US CL : 424/9.6, 9.1; 548/424; 514/411
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. : 424/9.6, 9.1; 548/424; 416, 469, 484; 514/411, 415

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

Electronic database consulted during the international search (name of database and, where practicable, search terms used)
   Please See Continuation Sheet

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>X</td>
<td>US 5,750,722 A (HUYNH et al) 12 May 1998, see columns 1-2.</td>
<td>1-3</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,669,766 A (WAGGONER et al) 29 October 1996, see example B, column 18 and</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td>columns 11-14.</td>
<td></td>
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<tr>
<td>Y</td>
<td>US 6,083,485 A (LICHA et al) 04 July 2000, see entire document.</td>
<td>1-14</td>
</tr>
</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

+E* earlier application or patent published on or after the international filing date

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*O* document referring to an oral disclosure, use, exhibition or other means

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*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

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*E* document member of the same patent family

Date of the actual completion of the international search
   29 January 2002 (29.01.2002)

Date of mailing of the international search report
   09 APR 2002

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INTERNATIONAL SEARCH REPORT

Continuation of Item 4 of the first sheet:
The title does not meet the requirement of PCT Rule 4.3 because it is too long e.g., over 7 words.

NEW TITLE: HYDROPHILIC LIGHT ABSORBING COMPOSITIONS AND METHODS

Continuation of B. FIELDS SEARCHED Item 3:
APS
search terms: indole, benzoindoles, fluorescent, irising, cyanine.

Form PCT/ISA/210 (second sheet) (July 1998)