(54) Title: LIGHTING DEVICE AND METHOD

(57) Abstract: A lighting device (100) having a light emitting diode (LED) (120). The device (100) includes a metal substrate (102) having a surface. A dielectric coating layer (104) is superimposed on the surface of the metal substrate (102). A light emitting diode (LED) (120) is supported on the dielectric coating layer (104). The metal substrate (102) serves as a heat sink for the heat emitted by LED during operation.
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) :H01L 25/405  
US CL : 257/675, 687, 701  
According to International Patent Classification (IPC) or to both national classification and lPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 257/675, 687, 701, 688, 690, 696, 697, 699

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>X</td>
<td>US 5,857,767 A (Hochstein) 12 January 1999, see entire document.</td>
<td>1-18</td>
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</table>

Date of the actual completion of the international search: 02 JUNE 2005

Date of mailing of the international search report: 12 DEC 2003

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