Title: LED STRUCTURE TO INCREASE BRIGHTNESS

Abstract: A light emitting semiconductor device comprising an LED having an emission aperture located on a surface of the LED wherein the emission aperture has a size that is smaller than a surface area of the LED where the emission aperture is formed. The device further includes a reflector surrounding both side walls, a bottom surface, and portions of a surface of the LED where the emission aperture is formed or surrounding the bottom surface and portions of the surface of the LED where the emission aperture is formed so that an area on the surface uncovered by the reflector is the emission aperture and is smaller than the area of the LED.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(8) - H01L 21/00 (2009.01)
   USPC - 438/46
   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)
   IPC(8) - H01L 21/00 (2009.01)
   USPC - 438/46
   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)
   USPTO EAST System (US, USPG-PUB, EPO, DERWENT), MicroPatent

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 6,258,618 B1 (LESTER) 10 July 2001 (10.07.2001) entire document</td>
<td>1, 3, 6, 10</td>
</tr>
</tbody>
</table>

[] Further documents are listed in the continuation of Box C. [ ]

* Special categories of cited documents:
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Date of the actual completion of the international search: 08 June 2009
Date of mailing of the international search report: 17 JUN 2009

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