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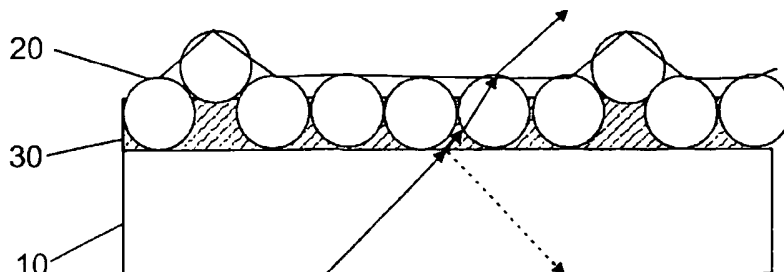
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(54) Title: LED WITH IMPROVED LIGHT EMITTANCE PROFILE



(57) Abstract: The present invention relates to a LED comprising a substrate layer (10) with a first surface and a second surface opposing the first surface and having a refractive index of n_1 , a light emitting means provided on said first surface and an array of particles (20) arranged on said second surface, characterized by an index matching means (30) between said particles (20) on said second surface having a refractive index of n_2 being $n_2 \geq n_1 - 0.5$ and $n_2 \leq n_1 + 3$ and whereby the filling height of the index matching means (30) is lower than the maximum height of the array of particles (20).

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED		
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Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	US 2002/001681 A1 (ARAI TSUTOMU ET AL) 3 January 2002 (2002-01-03) paragraphs [0008] - [0018], [0023], [0050], [0082], [0085], [0096], [0105], [0111]; figure 1 -----	1,2,4-7, 9,10
Y	US 2001/033135 A1 (DUGGAL ANIL RAJ ET AL) 25 October 2001 (2001-10-25) paragraph [0046]; figure 3 -----	6,7
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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