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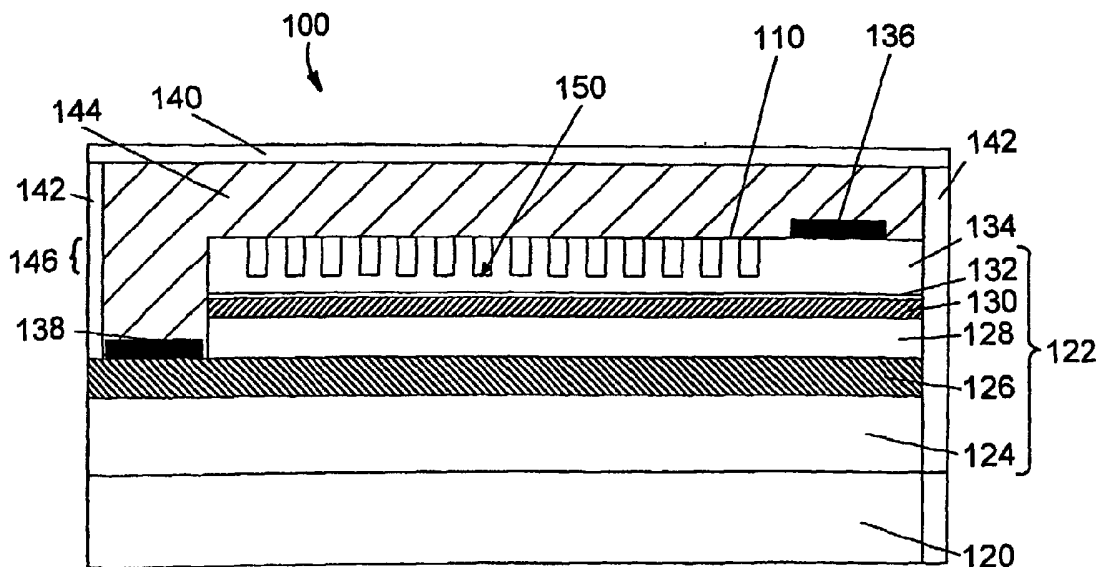
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[Continued on next page]

(54) Title: LIGHT EMITTING SYSTEMS



(57) Abstract: The invention relates to light-emitting devices, and related components, systems and methods. The invention features a light-emitting device (100) that includes a multi-layer stack of materials (122). The multi-layer stack of materials includes a light-generating region (130) and a first layer supported by the light generating region. The surface of the first layer has a dielectric function that varies spatially according to a pattern, and the pattern has an ideal lattice constant and detuning parameter with a value greater than zero.



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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 257/79-103, 14 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) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,426,515 (ISHIKAWA et al) 30 July 2002 (30.07.2002), column 11 lines 6-16.	1-41
Y	US 6,091,085 A (LESTER) 18 July 2000 (18.07.2000), column 5 lines 30-49.	1-41
Y	US 5,834,331 A (RAZEGHI) 10 November 1998 (10.11.1998), figure 1.	1-41
Y,E	US 6,831,302 B2 (ERCHAK et al) 14 December 2004 (14.12.2004), columns 23-28.	1-41
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Amir Zarabian <i>Amir Zarabian</i> Telephone No. 571-272-1852