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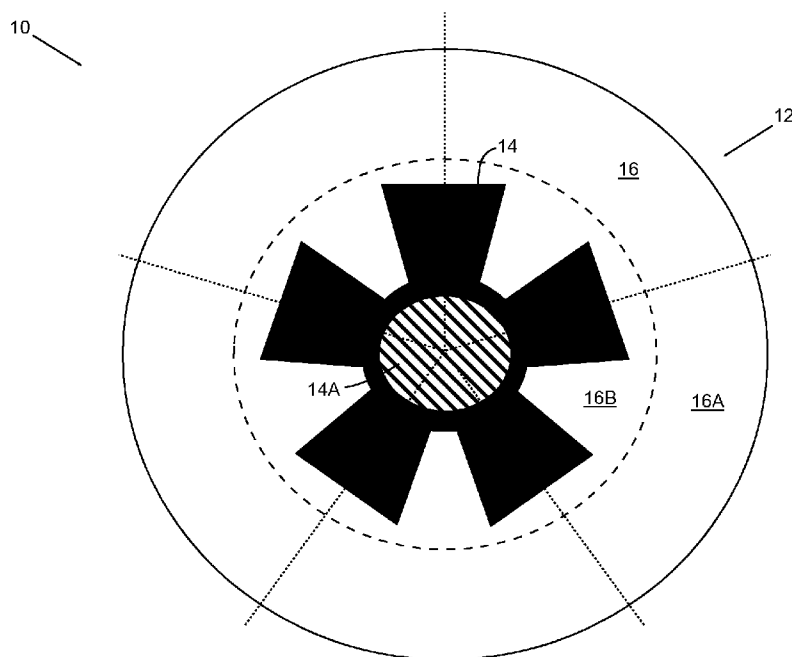
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[Continued on next page]

(54) Title: SHAPED CONTACT LAYER FOR LIGHT EMITTING HETEROSTRUCTURE

FIG. 1



(57) Abstract: An improved light emitting heterostructure and/or device is provided, which includes a contact layer having a contact shape comprising one of: a clover shape with at least a third order axis of symmetry or an H-shape. The use of these shapes can provide one or more improved operating characteristics for the light emitting devices. The contact shapes can be used, for example, with contact layers on nitride-based devices that emit light having a wavelength in at least one of: the blue spectrum or the deep ultraviolet (UV) spectrum.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H01L 27/15**(2006.01)

USPC: 257/94

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. : 257/94,95,96,97,98,99,103

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

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	US 2005/0133806 (Peng et al.) 17 December 2003, figure 7b	1, 10,18
x	US 2006/0289881 (Chen et al.) 2 June 2006, figure 11B	1,3-9, 11-13,15-17
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y		14
X	US 2003/0047743 (Li et al.) 4 September 2003, figure 8	1,3-9,11,18-23
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y		2
y	US 6307218 (Steigerwald et al.), 20 November 1998, figure 8G	2

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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