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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050671

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L33/00

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 7 H01L

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 920 078 A (FREY ET AL) 6 July 1999 (1999-07-06) the whole document	1,2, 8-11, 13-15
A	YAMANISHI M ET AL: "QUANTUM MECHANICAL SIZE EFFECT MODULATION LIGHT SOURCES-A NEW FIELDSEMICONDUCTOR LASER OR LIGHT EMITTING DEVICE" JAPANESE JOURNAL OF APPLIED PHYSICS, PUBLICATION OFFICE JAPANESE JOURNAL OF APPLIED PHYSICS. TOKYO, JP, vol. 22, no. PART 2, January 1983 (1983-01), pages L22-L24, XP000710613 ISSN: 0021-4922 the whole document	1-6,8, 11,13-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *G* document member of the same patent family

Date of the actual completion of the international search

24 March 2005

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 700 353 A (VAN GIESON ET AL) 13 October 1987 (1987-10-13) figures 7,8,10 -----	1-8,11, 13-15
A	US 5 287 377 A (FUKUZAWA ET AL) 15 February 1994 (1994-02-15) the whole document -----	
A	POPOV A A: "TUNABLE LIGHT-EMITTING DIODE BASED ON THE SATURATED COMPOUND GAINASSB" PIS'MA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКА, XX, SU, vol. 20, no. 11, November 1994 (1994-11), pages 845-846, XP008033217 ISSN: 0320-0108 page 846, column 1, lines 18-21; figure 1 -----	
A	US 4 999 682 A (XU ET AL) 12 March 1991 (1991-03-12) the whole document -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/050671

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