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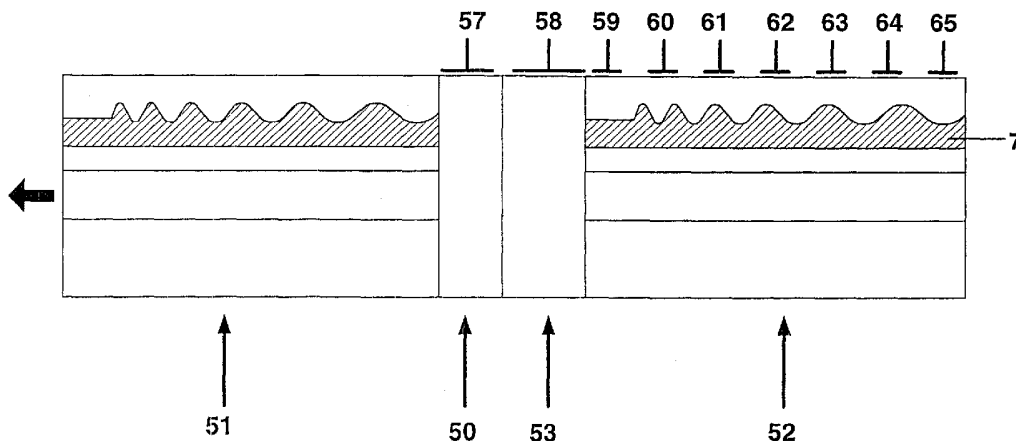
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
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FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
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[Continued on next page]

(54) Title: TUNEABLE LASER



(57) Abstract: A tuneable laser includes a gain section (50) bounded by two mirrors (51 and 52) at least one mirror being a chirp grating. At least one of the mirrors includes a plurality of selectable electrodes (59 to 65) to enable the grating to be selectively activated to produce a selective reflection at a predetermined wavelength.



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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
- *of inventorship (Rule 4.17(iv)) for US only*

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
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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, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 838 714 A (DELORME FRANCK) 17 November 1998 (1998-11-17)	1
A	the whole document	20
Y	EP 0 559 192 A (NIPPON TELEGRAPH & TELEPHONE) 8 September 1993 (1993-09-08)	1
A	figures 10A,10B; example 3	20
A	US 4 885 753 A (CHINONE NAOKI ET AL) 5 December 1989 (1989-12-05)	1,20
	column 7 -column 8; figures 3,4	
A	US 5 379 318 A (WEBER JEAN-PIERRE) 3 January 1995 (1995-01-03)	1,20
	column 2 -column 3; figure 1	
	-/--	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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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Intern: 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	<p>YUICHI TOHMORI ET AL: "BROAD-RANGE WAVELENGTH-TUNABLE SUPERSTRUCTURE GRATING (SSG) DBR LASERS" IEEE JOURNAL OF QUANTUM ELECTRONICS, IEEE INC. NEW YORK, US, vol. 29, no. 6, 1 June 1993 (1993-06-01), pages 1817-1823, XP000397619 ISSN: 0018-9197 paragraph '0III!; figure 5 -----</p>	1,20

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