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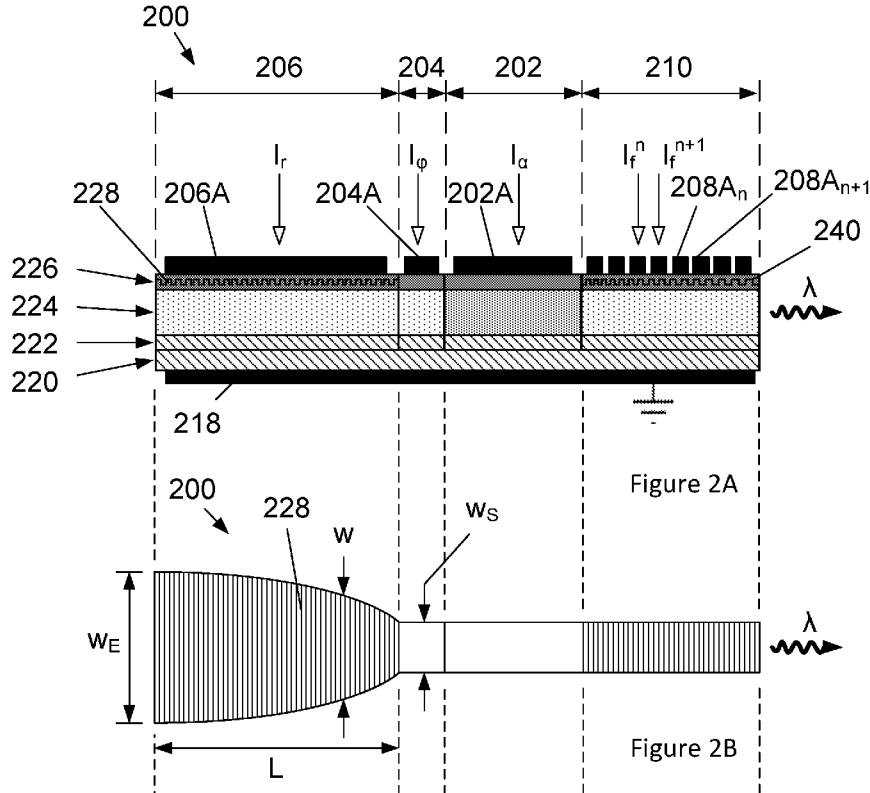
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HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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(57) Abstract: A semiconductor distributed Bragg reflector laser configured for single longitudinal mode operation, having an optical waveguide comprising an optical gain section, a first reflector being a first distributed Bragg reflector (DBR) section comprising a grating configured to produce a reflection spectrum having one or more first reflective peaks, and a second reflector, wherein the first DBR section is configured to compensate for thermal chirp that is induced inhomogeneously along the length of the DBR section, in use.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 INV. H01S5/024 H01S5/026 H01S5/0625 H01S5/10 H01S5/125
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B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 H01S
 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)
 EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/012936 A2 (BOOKHAM TECHNOLOGY [GB]; CARTER ANDREW CANNON [GB]; REID DOUGLAS [GB];) 13 February 2003 (2003-02-13) abstract; figure 4	1-5,7, 15-18
X	US 2010/265980 A1 (MATSUDA MANABU [JP]) 21 October 2010 (2010-10-21) abstract; figures 1,6,15,17,19,22	1-11, 14-18
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Further documents are listed in the continuation of Box C.

See patent family annex.

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Lendroit, Stéphane
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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.
X	BOZORGUI S ET AL: "Chirped grating DBR lasers using bent waveguides", LEOS '95. IEEE LASERS AND ELECTRO-OPTICS SOCIETY 1995 ANNUAL MEETING. 8TH ANNUAL MEETING. CONFERENCE PROCEEDINGS ,30 - 31 OCTOBER 1995; SAN FRANCISCO, CA, USA, IEEE, NEW YORK, NY, USA, vol. 1, 30 October 1995 (1995-10-30), pages 264-265, XP010153484, DOI: 10.1109/LEOS.1995.484862 ISBN: 978-0-7803-2450-3 abstract; figure 2	1,6,11, 14
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X,P	----- US 2013/016753 A1 (SHIGIHARA KIMIO [JP]) 17 January 2013 (2013-01-17) abstract; figure 4	1,8-10

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International application No

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