



— upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)

(88) Date of publication of the international search report:
18 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No
PCT/CH2005/000570

A. CLASSIFICATION OF SUBJECT MATTER

H01S3/067

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)

H01S G01S G02B G02F

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, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/075472 A1 (HOLTON CARVEL E) 20 June 2002 (2002-06-20) paragraphs [0039] - [0042]; figures 2B,C	1-10, 13-23
X	US 5 933 271 A (WAARTS ET AL) 3 August 1999 (1999-08-03) column 7, lines 27-65; figures 1-3,5,6 column 9, line 37 - column 12, line 25 column 12, line 60 - column 13, line 65 column 14, line 46 - column 16, line 16	1,3-6,9, 10,13,14
X	US 6 347 007 B1 (GRUBB STEPHEN G ET AL) 12 February 2002 (2002-02-12) column 4, line 53 - column 6, line 49; figures 1,2	1,3-6,9, 10,13,14 16
A		
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"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)

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

"P" document published prior to the international filing date but later than the priority date claimed

"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.

"&" document member of the same patent family

Date of the actual completion of the international search

23 November 2005

Date of mailing of the international search report

22.03.06

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/CH2005/000570

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 456 428 B1 (NAKAJI HARUO ET AL) 24 September 2002 (2002-09-24) column 5, line 26 - column 7, line 7; figures 1,6,7 column 9, line 9 - column 10, line 7 column 10, line 46 - column 11, line 10 -----	1-5,7-10
X	US 2004/017603 A1 (JAY PAUL ET AL) 29 January 2004 (2004-01-29) paragraphs [0025], [0026], [0031] - [0034], [0044] - [0047]; figures 1,3-6 -----	1-8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CH2005/000570

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-10, 13-23

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10,13-23

1. Claim 10 comprises a MOPA laser system with substantially all laser light guides being optical fibres with a pass-band optical fibre filter downstream the power amplifier with a spectral position being controllably shiftable.

2. claims: 11,12

2. Claims 11,12 are directly or indirectly dependent on claim 10 and comprise in addition to the subject-matter of claim 10 a temperature stabilisation of the filter which is depending on the temperature of the master oscillator.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/CH2005/000570

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002075472	A1	20-06-2002	NONE
US 5933271	A	03-08-1999	CA 2242575 A1 24-07-1997 DE 69717600 D1 16-01-2003 DE 69717600 T2 17-04-2003 EP 0875083 A2 04-11-1998 JP 3567233 B2 22-09-2004 JP 2000503476 T 21-03-2000 WO 9726688 A2 24-07-1997 US 5930030 A 27-07-1999 US 5867305 A 02-02-1999
US 6347007	B1	12-02-2002	US 6335941 B1 01-01-2002 US 6433306 B1 13-08-2002 US 6151338 A 21-11-2000
US 6456428	B1	24-09-2002	NONE
US 2004017603	A1	29-01-2004	AU 2003250691 A1 16-02-2004 WO 2004012364 A1 05-02-2004 CA 2436161 A1 29-01-2004