

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/052061

A. CLASSIFICATION OF SUBJECT MATTER
INV. G02B27/09 G02B19/00
ADD.
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)
G02B

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MITSUO NOHARA ET AL: "Aspheric Lens Laser Diode Collimator Design for Optical Intersatellite Communications", JAPANESE JOURNAL OF APPLIED PHYSICS, vol. 33, no. Part 1, No. 3A, 15 March 1994 (1994-03-15), pages 1363-1364, XP055378913, JP ISSN: 0021-4922, DOI: 10.1143/JJAP.33.1363 the whole document	1-20
X	US 2016/274368 A1 (GUREVICH IGOR [DE]) 22 September 2016 (2016-09-22) Zusammenfassung; paragraph [0031] - paragraph [0036]; figures 1,3-4 ----- -/--	1-20

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 application or patent 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 11 May 2018	Date of mailing of the international search report 22/05/2018
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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 Kaiser, Peter
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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	US 6 195 208 B1 (NGOI BRYAN KOK ANN [SG] ET AL) 27 February 2001 (2001-02-27) Zusammenfassung; column 2, line 1 - line 9; figure 3 -----	1-20
A	US 5 790 576 A (WAARTS ROBERT G [US] ET AL) 4 August 1998 (1998-08-04) column 7, line 66 - column 8, line 2; figure 11 abstract; figures 1-4 -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2018/052061

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2016274368	A1	22-09-2016	NONE

US 6195208	B1	27-02-2001	NONE

US 5790576	A	04-08-1998	US 5790576 A 04-08-1998
			US 6222864 B1 24-04-2001
