

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2015/056654

A. CLASSIFICATION OF SUBJECT MATTER
H01S3/10(2006.01)i, G02F1/37(2006.01)i, H01S3/23(2006.01)i

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)
H01S3/00-3/30, G02F1/35-1/39

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho | 1922-1996 | Jitsuyo Shinan Toroku Koho | 1996-2015 |
| Kokai Jitsuyo Shinan Koho | 1971-2015 | Toroku Jitsuyo Shinan Koho | 1994-2015 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | JP 2011-522296 A (Centre National de la Recherche Scientifique), 28 July 2011 (28.07.2011), entire text; all drawings & JP 5144807 B2 & US 2011/0267681 A1 & US 8717665 B2 & WO 2009/147317 A1 & EP 2291711 A1 & EP 2291711 B1 & FR 2932285 A1 & FR 2932285 B1 & AT 555416 T | 1-14 |
| A | JP 11-298083 A (Komatsu Ltd.), 29 October 1999 (29.10.1999), entire text; all drawings (Family: none) | 1-14 |

Further documents are listed in the continuation of Box C. See patent family annex.

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| Date of the actual completion of the international search 13 May 2015 (13.05.15) | Date of mailing of the international search report 02 June 2015 (02.06.15) |
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| Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan | Authorized officer Telephone 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 | JP 2003-161974 A (Nikon Corp.), 06 June 2003 (06.06.2003), entire text; all drawings (Family: none) | 1-14 |
| A | WO 2011/148895 A1 (Gigaphoton Inc.), 01 December 2011 (01.12.2011), entire text; all drawings & US 2013/0064259 A1 & US 8625645 B2 | 1-14 |