

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2017/032055

A. CLASSIFICATION OF SUBJECT MATTER
Int. Cl. A61B18/14 (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)

Int. Cl. A61B18/14

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

Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2017
Registered utility model specifications of Japan 1996-2017
Published registered utility model applications of Japan 1994-2017

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.
Y A	JP 2-279151 A (WILSON COOK MEDICAL INC.) 15 November 1990, page 5, lower right column, line 2, to page 8, upper left column, line 5, fig. 1-8 & JP 6-53125 B2 & AT 124855 T & AU 4993990 A & AU 621198 B2 & CA 2007657 A1 & CA 2007657 C & DE 69020757 T2 & DK 03385588 T3 & EP 03385588 A2 & EP 03385588 B1 & ES 2075143 T3 & US 5024617 A, column 4, line 41, to column 7, line 41, fig. 1-8 & US 5075062 A	1-2, 4-8 3
Y A	JP 2015-8827 A (OLYMPUS MEDICAL SYSTEMS CORP.) 19 January 2015, paragraphs [0013]-[0036], [0039]-[0051], fig. 1-26 & JP 6204085 B2 & CN 104981210 A & CN 104981210 B & EP 3015077 A1 & US 2015/0342633 A1, paragraphs [0043]-[0099], [0105]-[0139], fig. 1-26 & WO 2014/208172 A1	1-2, 4-8 3

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
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 "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
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Date of the actual completion of the international search @@@o8.11.2017	Date of mailing of the international search report 28.11.2017
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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.
Y A	JP 61-4325 Y2 (OLYMPUS OPTICAL CO., LTD.) 10 February 1986, page 2, left column, line 2, to right column, line 37, fig. 1-5 & JP 55-180501 U & EP 00019930 A1, page 12, line 2, to page 14, line 12, fig. 13-17 & EP 00019930 B1	4 1-3, 5-8
Y A	JP 4-364836 A (OLYMPUS OPTICAL CO., LTD.) 17 December 1992, paragraphs [0016]-[0018], fig. 1-6 & JP 3162084 B2 & US 5163938 A, column 3, line 54, to column 6, line 26, fig. 1-7	5 1-4, 6-8