INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2017/030141

A. CLASSIFIC A46B9/04(ATION OF SUBJECT MATTER 2006.01)i				
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum docum A46B9/04	nentation searched (classification system followed by classification)	assification symbols)			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2017 Kokai Jitsuyo Shinan Koho 1971-2017 Toroku Jitsuyo Shinan Koho 1994-2017					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app		Relevant to claim No.		
X Y	Healthcare GmbH), 05 February 2002 (05.02.2002) pages 10 to 13; fig. 1 to 5 & US 6066282 A columns 4 to 8; fig. 1 to 5 & GB 9513883 A & WO & EP 837640 A1 & DE JP 39-17185 Y1 (Gomei Kaisha	1997/002770 A1 69621616 T2	1 2-7 2-5,7		
	19 June 1964 (19.06.1964), page 1; fig. 1 (Family: none)				
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 document published prior to the international filing date but later than the priority date claimed "E" application or patent but published on or after the internation or other special reason (as specified) "Y"		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			
20 Sept	d completion of the international search tember 2017 (20.09.17)	Date of mailing of the international sear 03 October 2017 (03			
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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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 188468/1980(Laid-open No. 111524/1982) (Tokyo Shibaura Electric Co., Ltd.), 09 July 1982 (09.07.1982), specification, page 4; fig. 4 (Family: none)	
Y	(Family: none) Wo 2016/035678 A1 (Lion Corp.), 10 March 2016 (10.03.2016), paragraphs [0028] to [0051], [0082]; fig. 1 to 14 & KR 10-2017-0051379 A & CN 106659289 A	4-7