

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2019/051288

A. CLASSIFICATION OF SUBJECT MATTER		
G02B 5/30 (2006.01)i; B32B 7/023 (2019.01)i; B32B 27/30 (2006.01)i; C08F 20/00 (2006.01)i; G02F 1/1335 (2006.01)i FI: G02B5/30; B32B7/023; B32B27/30 A; C08F20/00; G02F1/1335 510 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) G02B5/30; B32B7/023; B32B27/30; C08F20/00; G02F1/1335		
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		1971-2020
Registered utility model specifications of Japan		1996-2020
Published registered utility model applications of Japan		1994-2020
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.
X	WO 2017/057255 A1 (FUJIFILM CORPORATION) 06.04.2017 (2017-04-06) paragraphs [0015], [0017], [0028]-[0029], [0146], [0180], [0187], [0189], [0202]-[0209], [0226], [0233], table 1	1-8
Y	paragraph [0146]	8
X	JP 2017-500593 A (LG CHEM, LTD.) 05.01.2017 (2017-01-05) claims 1, 11, paragraphs [0068], [0070], [0093], [0097]	1-2, 5-7
Y	claims 1, 11, paragraphs [0068], [0070], [0093], [0097]	4, 8
Y	JP 2010-95567 A (KANEKA CORP.) 30.04.2010 (2010-04-30) paragraph [0003]	4
Y	JP 2015-110757 A (SUMITOMO CHEMICAL CO., LTD.) 18.06.2015 (2015-06-18) paragraph [0037]	4
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 "I" 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 March 2020 (11.03.2020)		Date of mailing of the international search report 24 March 2020 (24.03.2020)
Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
WO 2017/057255 A1	06 Apr. 2017	JP 2017-68235 A	
JP 2017-500593 A	05 Jan. 2017	US 2016/0238745 A1 claims 1, 11, paragraphs [0040], [0042], [0065], [0069]	
		WO 2015/046712 A1	
		KR 10-2015-0037489 A	
		CN 104685392 A	
		TW 201512229 A	
JP 2010-95567 A	30 Apr. 2010	(Family: none)	
JP 2015-110757 A	18 Jun. 2015	CN 104592703 A	
		KR 10-2015-0050418 A	
		TW 201522469 A	
		TW 201920442 A	