

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2019/048804

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> C08F 20/06(2006.01)i; C08J 3/12(2006.01)i; A61F 13/53(2006.01)i; B01J 20/26(2006.01)i; B01J 20/28(2006.01)i FI: C08J3/12 Z GEY; C08F20/06; A61F13/53 300; B01J20/26 D; B01J20/28 Z According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) C08J3/00-3/28; C08F6/00-246/00,301/00; A61L15/16-15/64; A61F13/15-13/84; B01J20/26 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)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2005/075070 A1 (NIPPON SHOKUBAI CO., LTD.) 18.08.2005 (2005-08-18) entire text	1-8
A	JP 2003-88552 A (SUMITOMO SEIKA CHEMICALS CO., LTD.) 25.03.2003 (2003-03-25) entire text	1-8
A	WO 2018/181565 A1 (SUMITOMO SEIKA CHEMICALS CO., LTD.) 04.10.2018 (2018-10-04) entire text	1-8
<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		"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 02 March 2020 (02.03.2020)		Date of mailing of the international search report 17 March 2020 (17.03.2020)
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 2005/075070 A1	18 Aug. 2005	US 2005/0209352 A1 EP 1721663 A1 AU 2005210411 A MX PA06008956 A KR 10-2007-0004669 A CN 1917954 A	
JP 2003-88552 A	25 Mar. 2003	(Family: none)	
WO 2018/181565 A1	04 Oct. 2018	CN 110446726 A KR 10-2019-0127698 A	