

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2017/004175

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> <i>H01B5/00(2006.01)i, C09J7/00(2006.01)i, C09J9/02(2006.01)i, C09J11/00(2006.01)i, H01B1/00(2006.01)i, H01B1/22(2006.01)i, H01B5/16(2006.01)i, H01R11/01(2006.01)i</i> 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) <i>H01B5/00, C09J7/00, C09J9/02, C09J11/00, H01B1/00, H01B1/22, H01B5/16, H01R11/01</i>														
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched <table border="0"> <tr> <td><i>Jitsuyo Shinan Koho</i></td> <td><i>1922-1996</i></td> <td><i>Jitsuyo Shinan Toroku Koho</i></td> <td><i>1996-2017</i></td> </tr> <tr> <td><i>Kokai Jitsuyo Shinan Koho</i></td> <td><i>1971-2017</i></td> <td><i>Toroku Jitsuyo Shinan Koho</i></td> <td><i>1994-2017</i></td> </tr> </table>			<i>Jitsuyo Shinan Koho</i>	<i>1922-1996</i>	<i>Jitsuyo Shinan Toroku Koho</i>	<i>1996-2017</i>	<i>Kokai Jitsuyo Shinan Koho</i>	<i>1971-2017</i>	<i>Toroku Jitsuyo Shinan Koho</i>	<i>1994-2017</i>				
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) <i>CAplus/REGISTRY (STN)</i>														
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>														
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.												
X Y A	JP 2015-187983 A (Sekisui Chemical Co., Ltd.), 29 October 2015 (29.10.2015), paragraphs [0083], [0106], [0132], [0148] to [0157], [0179] to [0181] (Family: none)	1-2, 4, 9-14 3, 5-6, 8 7												
X Y A	JP 2015-187984 A (Sekisui Chemical Co., Ltd.), 29 October 2015 (29.10.2015), paragraphs [0097], [0118], [0144], [0160] to [0169], [0191] to [0193] (Family: none)	1-2, 4, 9-14 3, 5-6, 8 7												
Y	JP 2014-017213 A (Hitachi Chemical Co., Ltd.), 30 January 2014 (30.01.2014), paragraph [0081] (Family: none)	3												
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.														
<table border="0"> <tr> <td>* Special categories of cited documents:</td> <td>"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</td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"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</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"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</td> </tr> <tr> <td>"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)</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td></td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			* Special categories of cited documents:	"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	"A" document defining the general state of the art which is not considered to be of particular relevance	"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	"E" earlier application or patent but published on or after the international filing date	"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	"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)	"&" document member of the same patent family	"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	
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Date of the actual completion of the international search 01 March 2017 (01.03.17)		Date of mailing of the international search report 14 March 2017 (14.03.17)												
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	JP 2010-050086 A (Hitachi Chemical Co., Ltd.), 04 March 2010 (04.03.2010), claims; paragraphs [0015], [0023], [0052], [0068], [0069], [0088] to [0106], [0112] (Family: none)	5-6, 8
A	WO 2014/007238 A1 (Sekisui Chemical Co., Ltd.), 09 January 2014 (09.01.2014), & WO 2014/007237 A1 & CN 104380392 A & KR 10-2015-0028764 A & TW 201403628 A & TW 201405589 A & CN 104395967 A & KR 10-2015-0028224 A	1-14
A	JP 2016-018705 A (Hitachi Chemical Co., Ltd.), 01 February 2016 (01.02.2016), paragraph [0286] & CN 204966070 U & KR 10-2016-0006614 A	5-8
A	US 9150731 B2 (CABOT CORP.), 06 October 2015 (06.10.2015), column 3, line 59 to column 4, line 5 (Family: none)	7
A	JP 2015-028923 A (Sekisui Chemical Co., Ltd.), 12 February 2015 (12.02.2015), fig. 2 (Family: none)	1-14
A	JP 2013-030479 A (Sekisui Chemical Co., Ltd.), 07 February 2013 (07.02.2013), paragraph [0037] & JP 2016-149363 A	1-14
A	JP 2014-029856 A (Sekisui Chemical Co., Ltd.), 13 February 2014 (13.02.2014), (Family: none)	1-14