

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2019/046897

A. CLASSIFICATION OF SUBJECT MATTER A23G 1/32 (2006.01) i FI: A23G1/32 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) A23G1/32 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched <table style="width:100%; border:none;"> <tr> <td style="width:70%;">Published examined utility model applications of Japan</td> <td style="text-align:right;">1922-1996</td> </tr> <tr> <td>Published unexamined utility model applications of Japan</td> <td style="text-align:right;">1971-2020</td> </tr> <tr> <td>Registered utility model specifications of Japan</td> <td style="text-align:right;">1996-2020</td> </tr> <tr> <td>Published registered utility model applications of Japan</td> <td style="text-align:right;">1994-2020</td> </tr> </table> Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI			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
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									
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.								
X	JP 5-111350 A (MORINAGA & CO., LTD.) 07.05.1993 (1993-05-07) claims, paragraphs [0013]-[0016], example 1	1-18, 20, 31-33								
Y		1-18, 20, 31-33								
A		19, 21-30								
X	JP 2013-162791 A (UHA MIKAKUTO CO., LTD.) 22.08.2013 (2013-08-22) claims, paragraphs [0001]-[0004], examples	1-10, 31-33								
Y		1-18, 20, 31-33								
A		19, 21-30								
X	JP 2014-27890 A (UHA MIKAKUTO CO., LTD.) 13.02.2014 (2014-02-13) claims, paragraph [0006], examples	1-10, 31-33								
Y		1-18, 20, 31-33								
A		19, 21-30								
X	JP 9-135663 A (MEIJI SEIKA KAISHA, LIMITED) 27.05.1997 (1997-05-27) claims, examples	1-10, 31-33								
<input checked="" 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: <table style="width:100%; border:none;"> <tr> <td style="width:50%;"> "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 </td> <td style="width:50%;"> "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 </td> </tr> </table>			"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						
"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 07 February 2020 (07.02.2020)		Date of mailing of the international search report 18 February 2020 (18.02.2020)								
Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer Telephone No.								

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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.
X	JP 2002-209521 A (FUJI OIL CO., LTD.) 30.07.2002 (2002-07-30) claims, examples	1-10, 31-33
A	JP 64-43150 A (MORINAGA & CO., LTD.) 15.02.1989 (1989-02-15) entire text	1-33

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
JP 5-111350 A	07 May 1993	(Family: none)	
JP 2013-162791 A	22 Aug. 2013	(Family: none)	
JP 2014-27890 A	13 Feb. 2014	(Family: none)	
JP 9-135663 A	27 May 1997	(Family: none)	
JP 2002-209521 A	30 Jul. 2002	(Family: none)	
JP 64-43150 A	15 Feb. 1989	(Family: none)	