

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2020/014886

A. CLASSIFICATION OF SUBJECT MATTER

A01G 24/42 (2018.01) i

FI: A01G24/42

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)

A01G24/00-24/60

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.
Y	JP 2019-41759 A (MIKI TOKUSHU PAPER MFG. CO., LTD., E-SYSTEM INC.) 22.03.2019 (2019-03-22) paragraphs [0011]-[0039]	1-5
Y	WO 2011/062224 A1 (KANEKA CORP.) 26.05.2011 (2011-05-26) paragraphs [0022]-[0034]	1-5
Y	JP 2011-241262 A (KANEKA CORP.) 01.12.2011 (2011-12-01) paragraphs [0008]-[0024]	1-5
A	US 2003/0051398 A1 (KOSINSKI, Leonard Edward) 20.03.2003 (2003-03-20) entire text, all drawings	1-5
A	JP 2007-236228 A (MIKADO SEED GROWERS CO., LTD.) 20.09.2007 (2007-09-20) entire text, all drawings	1-5
A	JP 2011-135844 A (KAZE NO MIDORI JUKU KK) 14.07.2011 (2011-07-14) entire text, all drawings	1-5

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"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
"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	

Date of the actual completion of the international search
15 June 2020 (15.06.2020)

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23 June 2020 (23.06.2020)

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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PCT/JP2020/014886

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2014-110784 A (NEXCO-MAINTENANCE KANTO COMPANY LIMITED) 19.06.2014 (2014-06-19) entire text, all drawings	1-5
A	JP 2015-107082 A (UNITIKA LTD.) 11.06.2015 (2015-06-11) entire text, all drawings	1-5
A	JP 8-252031 A (KANEGAFUCHI CHEM IND CO., LTD.) 01.10.1996 (1996-10-01) entire text, all drawings	1-5

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
JP 2019-41759 A	22 Mar. 2019	WO 2019/044726 A1 paragraphs [0011]- [0039]	
WO 2011/062224 A1	26 May 2011	US 2012/0225967 A1 paragraphs [0043]- [0057] EP 2502958 A1 CN 102639619 A	
JP 2011-241262 A	01 Dec. 2011	(Family: none)	
US 2003/0051398 A1	20 Mar. 2003	US 6397520 B1 WO 1999/031963 A1 CN 1282206 A	
JP 2007-236228 A	20 Sep. 2007	(Family: none)	
JP 2011-135844 A	14 Jul. 2011	(Family: none)	
JP 2014-110784 A	19 Jun. 2014	(Family: none)	
JP 2015-107082 A	11 Jun. 2015	(Family: none)	
JP 8-252031 A	01 Oct. 1996	(Family: none)	