

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2018/010392

A. CLASSIFICATION OF SUBJECT MATTER

B09B 3/00(2006.01)i, B65G 33/26(2006.01)i, B65G 33/10(2006.01)i

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)

B09B 3/00; B01F 7/08; B09B 1/00; B29C 47/60; B30B 9/12; C05F 9/02; B65G 33/26; B65G 33/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models: IPC as above

Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) & Keywords: food, screw, wing, supply hole, air, segmentation, saw tooth

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 3124698 B2 (MORISHITA K.K.) 15 January 2001 See paragraphs [0003], [0005], [0022]-[0023], [0035], [0049]; claim 2; and figure 3.	1,4
Y		2-3
Y	KR 20-0167022 Y1 (CHOI, Don Soo) 15 January 2000 See page 3; and figure 1.	2
Y	JP 3382875 B2 (KURIMOTO LTD.) 04 March 2003 See paragraphs [0004], [0006]-[0007]; and figures 15, 17.	3
X	JP 3176503 B2 (MORISHITA K.K. et al.) 18 June 2001 See paragraphs [0001], [0018], [0024]; and figure 1.	1
X	KR 10-2014-0109578 A (LEE, Kyung Hee) 16 September 2014 See paragraphs [0035]-[0038]; claim 4; and figures 1, 8.	1



Further documents are listed in the continuation of Box C.



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

"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

"E" earlier application or patent but published on or after the international filing date

"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

"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)

"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

"O" document referring to an oral disclosure, use, exhibition or other means

"&" document member of the same patent family

"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

13 MARCH 2019 (13.03.2019)

Date of mailing of the international search report

14 MARCH 2019 (14.03.2019)

Name and mailing address of the ISA/KR


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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2018/010392

Patent document cited in search report	Publication date	Patent family member	Publication date
JP 3124698 B2	15/01/2001	JP 08-243534 A	24/09/1996
KR 20-0167022 Y1	15/01/2000	NONE	
JP 3382875 B2	04/03/2003	JP 2000-280324 A	10/10/2000
JP 3176503 B2	18/06/2001	JP 07-265842 A	17/10/1995
KR 10-2014-0109578 A	16/09/2014	NONE	