

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
05 December 2019 (05.12.2019)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2019/024926

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-16

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No PCT/US2019/024926

A. CLASSIFICATION OF SUBJECT MATTER INV. B01F13/00 B01F15/00 A47J43/27 ADD.				
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) A47J B01F B01J				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X A	US 2017/312711 A1 (CUERVO ALICIA [US]) 2 November 2017 (2017-11-02) abstract figures 1-10 paragraphs [0012], [0013], [0038], [0049]	1-5,7, 9-12, 14-16 6,8,13		
X A	US 2015/290605 A1 (DAYTON ANASTASIA B [US]) 15 October 2015 (2015-10-15) abstract figures 19a-19d paragraphs [0091], [0092]	1-3,5-7, 10-12, 14-16 4,8,9,13		
----- -/--				
<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%; border: none; vertical-align: top;"> "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%; border: none; vertical-align: top;"> "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	Date of mailing of the international search report			
4 September 2019	11/11/2019			
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Krasenbrink, B			

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2019/024926

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 088 715 A (DEINDOERFER FRED H) 7 May 1963 (1963-05-07)	1-3,5,7, 9-12, 14-16
A	figures 1-7 column 1, line 49 - column 3, line 34 -----	4,6,8,13
X	US 2007/086271 A1 (HAMILTON RALPH [US]) 19 April 2007 (2007-04-19)	1-3,5,7, 9-12, 14-16
A	abstract figures 1-15 paragraphs [0065] - [0080] -----	4,6,8,13
A	DE 10 2006 060260 A1 (EICHLER KATHRIN [DE]) 19 June 2008 (2008-06-19) abstract figures 1-4 paragraphs [0025], [0026] -----	1-16
A	US 3 136 532 A (RUDNICK GEORGE A) 9 June 1964 (1964-06-09) figures 1-5 column 1, line 80 - column 4, line 36 -----	1-16
E	WO 2019/152954 A1 (PARKS RICHARD LYNN [US]) 8 August 2019 (2019-08-08) abstract figures 1-18 -----	1,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2019/024926

Patent document cited in search report	A1	Publication date	Patent family member(s)	Publication date
US 2017312711	A1	02-11-2017	NONE	

US 2015290605	A1	15-10-2015	CA 2979328 A1	15-10-2015
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			WO 2015157549 A1	15-10-2015

US 3088715	A	07-05-1963	NONE	

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			WO 2007047107 A2	26-04-2007

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			DE 202006020663 U1	25-06-2009

US 3136532	A	09-06-1964	NONE	

WO 2019152954	A1	08-08-2019	US 2019308775 A1	10-10-2019
			WO 2019152954 A1	08-08-2019

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16

beverage mixing system and method comprising a container and an agitator which does not fit through the neck of the container in an expanded configuration and which fits through the neck of the container in a compressed configuration

2. claims: 17-23

agitator with, in the expanded configuration, an overall width of the frame structure being less than an overall height of the frame structure and less than an overall length of the frame structure, and with, in the compressed configuration, the overall height of the frame structure being equal to or less than the overall width of the frame structure
