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## (11) **EP 3 756 755 A3**

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:

17.03.2021 Bulletin 2021/11

(43) Date of publication A2: 30.12.2020 Bulletin 2020/53

(21) Application number: 20181059.5

(22) Date of filing: 19.06.2020

h - ... 00404050 F

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated Extension States:

**BA ME** 

Designated Validation States:

KH MA MD TN

(30) Priority: **25.06.2019 US 201916452113** 

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(51) Int Cl.: **B01F** 13/00 (2006.01) **B01F** 15/00 (2006.01)

B01F 13/08 (2006.01) B01F 15/06 (2006.01)

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## (54) CANNABIS PREPARATION MIXER

(57)A cannabis preparation mixer 10 includes a processor 12, electrically coupled with each of a weighing system 14, a heating system 16, a mixing system 18, and a user interface 20 within a main housing. The processor receives input from the weighing system and the user interface and transmits instructions to the heating system and the mixing system to heat and mix a mixture according to a predetermined pattern selected based upon a weight of herbs sensed at the weighing system. A heating system includes a heat plate that sits on top of a heating element which sits on top of the insulation pad. A mixing system includes a magnetic motor 40 with a magnetic stirrer 42 and wireless temperature probe 22 hat rotates above the magnetic motor, the magnetic stirrer having a wireless temperature probe therein. The user interface receives input from a user to identify user preferences and settings.

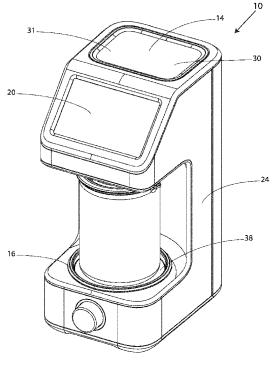


FIG. 2

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Category

Α

Α

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#### **EUROPEAN SEARCH REPORT**

**DOCUMENTS CONSIDERED TO BE RELEVANT** 

WO 2011/080660 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; SLADECEK MARCEL [AT]) 1,8-10 12,15 7 July 2011 (2011-07-07)

Citation of document with indication, where appropriate,

\* page 8, line 31 - page 13, line 33 \*

CO LTD) 22 June 2016 (2016-06-22)

\* paragraphs [0022] - [0032] \*

CN 105 688 723 A (OHAUS INSTR (CHANGZHOU)

WO 2009/156020 A1 (IKA WERKE GMBH & CO KG

[DE]; WALDMANN DIRK [DE]; EBLE ERHARD

\* page 6, line 33 - page 9, line 26 \*

EP 2 802 190 A1 (COMPANIA ESPANOLA DE

ELECTROMENAJE SL [ES])
12 November 2014 (2014-11-12)

[DE]) 30 December 2009 (2009-12-30)

of relevant passages

\* abstract \*

\* abstract \* \* figures 1-5 \*

\* abstract \* \* figures 1-7 \*

\* figures 1-4 \*

**Application Number** EP 20 18 1059

CLASSIFICATION OF THE APPLICATION (IPC)

INV. B01F13/00 B01F13/08

B01F15/00

B01F15/06

TECHNICAL FIELDS SEARCHED (IPC)

B01F

Relevant

to claim

1,8-10,

1-4,8,9,

1-4,8,9,

1-3,8,9,

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	А	<pre>* abstract * * figures 1-9 * * paragraphs [0050]</pre>	- [0071] * 	2-5,10, 15		
1	Υ	US 4 209 259 A (RA: 24 June 1980 (1980- * abstract * * figures 5a-8 *	-/	5		
		Place of search	Date of completion of the search		Examiner	-
04C01)	The Hague		4 November 2020	Krasenbrink, B		
FORM 1503 03.82 (P04C01)	X : part	ATEGORY OF CITED DOCUMENTS ioularly relevant if taken alone ioularly relevant if combined with anot unent of the same category	E : earlier patent doc after the filing dat her D : document cited ii	cument, but publis e n the application	nderlying the invention lent, but published on, or e application ther reasons patent family, corresponding	

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## **EUROPEAN SEARCH REPORT**

Application Number EP 20 18 1059

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		DOCUMENTS CONSID	ERED TO BE RELEVANT		
	Category	Oit ation of document with in	ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
10	A	DE 42 01 693 C1 (SA 8 April 1993 (1993- * abstract * * figures 1-4 *	ARTORIUS AG)	4	
15					
20					
25					TECHNICAL FIELDS SEARCHED (IPC)
30					
35					
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45		The present search report has	<del>been drawn up for all claims</del>	-	
1		Place of search	Date of completion of the search	<u> </u>	Examiner
40 000		The Hague	4 November 2020	Kra	senbrink, B
50 September 200	X: part Y: part door A: tech O: non P: inte	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another and the same category incological backgroundwritten disclosure rmediate document	E : earlier patent do after the filing de her D : document cited L : document cited	ocument, but publis ate in the application for other reasons	shed on, or

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page 2 of 2



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Application Number

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	CLAIMS INCURRING FEES				
	The present European patent application comprised at the time of filing claims for which payment was due.				
10	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):				
15	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.				
20	LACK OF UNITY OF INVENTION				
	The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:				
25					
	see sheet B				
30					
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.				
35	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.				
40	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:				
45	None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention				
50	first mentioned in the claims, namely claims: 1-5, 8-10, 12, 15				
55	The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).				



## LACK OF UNITY OF INVENTION **SHEET B**

**Application Number** EP 20 18 1059

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely: 1. claims: 1-5, 8-10, 12, 15 preparation mixer comprising a magnetic stirrer 2. claims: 6, 7 preparation mixer comprising a stirrer being formed as a central hub with at least two arms extending radially out 3. claim: 11 preparation mixer comprising a stirrer with a temperature probe therein 4. claims: 13, 14 preparation mixer comprising a heating system with a heat plate on top of a horizontal heating surface

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## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 20 18 1059

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-11-2020

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
15	WO 2011080660 A1	07-07-2011	BR 112012015625 A2 CN 102686135 A EP 2519129 A1 JP 5814935 B2 JP 2013515550 A RU 2012132308 A US 2012286080 A1 WO 2011080660 A1	12-12-2017 19-09-2012 07-11-2012 17-11-2015 09-05-2013 10-02-2014 15-11-2012 07-07-2011
20	CN 105688723 A	22-06-2016	NONE	
25	WO 2009156020 A1	30-12-2009	CN 102066886 A DE 102008029901 A1 EP 2304397 A1 ES 2661509 T3 PL 2304397 T3 US 2011103175 A1 WO 2009156020 A1	18-05-2011 25-02-2010 06-04-2011 02-04-2018 30-05-2018 05-05-2011 30-12-2009
30	EP 2802190 A1	12-11-2014	CN 103975646 A EP 2802190 A1 ES 2422933 A1 US 2014312026 A1 WO 2013102685 A1	06-08-2014 12-11-2014 16-09-2013 23-10-2014 11-07-2013
35	DE 102013010203 A1	18-12-2014	CN 105263631 A DE 102013010203 A1 EP 3007826 A1 US 2016123795 A1 WO 2014198664 A1	20-01-2016 18-12-2014 20-04-2016 05-05-2016 18-12-2014
40	US 4209259 A	24-06-1980	NONE	
	DE 4201693 C1	08-04-1993	NONE	
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