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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/837,768	**06/23/2023 09:48:36 AM ET**	**057664-348C02US**

Title of Invention

COOKING DEVICE AND COMPONENTS THEREOF

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11672377
CONFIRMATION #	9530	FILED BY	Amy Geller
PATENT CENTER #	62323601	FILING DATE	06/10/2022
CUSTOMER #	177399	FIRST NAMED INVENTOR	Christopher T. Martin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Lisa Adams

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
057664-348C02US Fee Address.pdf	1	Maintenance Fee Address Change	192 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
057664-348C02US Fee Address.pdf	CEA474FFB513E16CD1A016B0A13AB04BC9AAB8A662DAC240 D6FE3091EF58746481EB106B3CABC329712558EC5A2AB08D5 CD96D302DA37E76D15656F63DC6DBC2

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized

by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: MFEE.C.AD
Document Description: Maintenance Fee Address Change

PTO/AIA/47 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE
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"FEE ADDRESS" INDICATION FORM

Address to:
Mail Stop Maintenance Fee
Director of the United States
Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

- OR -

Fax to:
571-273-6500

INSTRUCTIONS: The issue fee must have been paid for the application(s) listed on this form. In addition, only an address represented by a Customer Number can be established as the fee address for maintenance fee purposes (hereafter, fee address). A fee address should be established when correspondence related to maintenance fees should be mailed to a different address than the correspondence address for the application.

When to check the first box below: If you have a Customer Number to represent the fee address.

When to check the second box below: If you have no Customer Number representing the desired fee address, in which case a completed Request for Customer Number (PTO/SB/125) must be attached to this form. For more information on Customer Numbers, see the Manual of Patent Examining Procedure (MPEP) § 403.

For the following listed application(s), please recognize as the "Fee Address" under the provisions of 37 CFR 1.363 the address associated with:

[X] Customer Number: 172301

OR

[ ] The attached Request for Customer Number form (PTO/SB/125)

PATENT NUMBER (if known)	APPLICATION NUMBER
11,672,377	17/837,768

Completed by (check one):

[ ] Applicant/Inventor

[X] Attorney or Agent of record 44,238 (Reg. No.)

[ ] Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) is enclosed or was filed on

(Date)

/Lisa Adams/
Signature

Lisa Adams
Typed or printed name

(617) 348-3054
Requester's telephone number

June 23, 2023
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. If the assignee is a juristic entity, this form must be signed by a patent practitioner (attorney or agent) of record. Submit multiple forms if more than one signature is required, see below*.

[ ] * Total of 1 forms are submitted

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address : COMMISSIONER FOR PATENTS
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Alexandria, VA 22313-1450
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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/837,768	13-JUN-23	11672377

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at https://patentcenter.uspto.gov

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit https://www.uspto.gov/electronicgrants

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/13/2023	11672377	057664-348C02US	9530

177399 7590 05/24/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at https://patentcenter.uspto.gov/. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at https://certifiedcopycenter.uspto.gov/index.html. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site http://pair.uspto.gov for additional inventors):

Christopher T. Martin, North Attleboro, MA;
Thomas Guerin, Boston, MA;
Roger Neil Jackson, Cornwall, UNITED KINGDOM;
Joshua D. Anthony, North Billerica, MA;
Kerry Schwarz, Needham, MA;

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

SHARKNINJA OPERATING LLC, Needham, MA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
17837768	10-Jun-2022	Christopher T. Martin	057664-348C02US	9530

TITLE OF INVENTION :

COOKING DEVICE AND COMPONENTS THEREOF

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Regular Undiscounted	Utility under 35 USC 111(a)	3761	339000	PHUONG NGUYEN

Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
$1200	$0	$1200	17-May-2023	$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
177399 Mintz Levin/SharkNinja One Financial Center Boston MA 02111 UNITED STATES 617-542-6000 IPDocketingBOS@mintz.com	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status

Change in Entity Status

○ Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.
Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.

○ Applicant asserting small entity status. See 37 CFR 1.27.
Note: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

◉ Applicant changing to regular undiscounted fee status.
Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:

☒ Issue Fee

☐ I authorize USPTO to apply my previously paid issue fee to the current fees due

☐ Publication Fee

☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____

☐ If **in addition to** the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number _____ . The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

4.Firm and/or Attorney Names To Be Printed

NOTE: If no name is listed, no name will be printed
For printing on the patent front page, list to be displayed as entered

1. MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, PC
2.
3.

5.Assignee Name(s) and Residence Data To Be Printed

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

Name	City	State	Country	Category
SHARKNINJA OPERATING LLC	Needham	MASSACHUSETTS	UNITED STATES	corporation

6.Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/Lisa Adams/	**Date**	05-01-2023
Name	Lisa Adams	**Registration Number**	44238

Electronic Patent Application Fee Transmittal

Application Number:	17837768
Filing Date:	10-Jun-2022
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Filer:	Lisa Adams/Amy Geller
Attorney Docket Number:	057664-348C02US

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPL ISSUE FEE	1501	1	1200	1200
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1200**

Electronic Acknowledgement Receipt

EFS ID:	47927781
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Lisa Adams/Amy Geller
Filer Authorized By:	Lisa Adams
Attorney Docket Number:	057664-348C02US
Receipt Date:	01-MAY-2023
Filing Date:	10-JUN-2022
Time Stamp:	15:16:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1200
RAM confirmation Number	E202351F16529603
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Web85b.pdf	60640 ddba7bbd0fdfd54217f2f172af9aa5f7fdc89df4	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	40246 e5e89e23eee3887e69f47a3bcfc3e7871fb4e7ef	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	100886		

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New Applications Under 35 U.S.C. 111

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New International Application Filed with the USPTO as a Receiving Office

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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 04/19/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER	
NGUYEN, PHUONG T	

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
04/19/2023	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Corrected ***Notice of Allowability***	**Application No.** 17/837,768	**Applicant(s)** Martin et al.	
	Examiner PHUONG T NGUYEN	**Art Unit** 3761	**AIA (FITF) Status** Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 04/15/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-22 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher Martin
Art Unit	3761
Examiner Name	PHUONG T NGUYEN
Attorney Docket Number	057664-348C02US

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20170071408	A1	2017-03-16	Veltrop et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

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NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17837768
	Filing Date	2022-06-10
	First Named Inventor	Christopher Martin
	Art Unit	3761
	Examiner Name	PHUONG T NGUYEN
	Attorney Docket Number	057664-348C02US

	1	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/PHUONG T NGUYEN/	Date Considered	04/15/2023

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher Martin
Art Unit	3761
Examiner Name	PHUONG T NGUYEN
Attorney Docket Number	057664-348C02US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

X That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

X The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lisa Adams/	Date (YYYY-MM-DD)	2023-04-13
Name/Print	Lisa Adams	Registration Number	44,238

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

EFS Web 2.1.18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher Martin
Art Unit	3761
Examiner Name	PHUONG T NGUYEN
Attorney Docket Number	057664-348C02US

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20170071408	A1	2017-03-16	Veltrop et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

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NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17837768
	Filing Date	2022-06-10
	First Named Inventor	Christopher Martin
	Art Unit	3761
	Examiner Name	PHUONG T NGUYEN
	Attorney Docket Number	057664-348C02US

	1	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17837768
	Filing Date	2022-06-10
	First Named Inventor	Christopher Martin
	Art Unit	3761
	Examiner Name	PHUONG T NGUYEN
	Attorney Docket Number	057664-348C02US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☒ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lisa Adams/	Date (YYYY-MM-DD)	2023-04-13
Name/Print	Lisa Adams	Registration Number	44,238

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/837,768	**04/13/2023 11:28:18 AM ET**	**057664-348C02US**

Title of Invention

COOKING DEVICE AND COMPONENTS THEREOF

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	9530	FILED BY	Deepti Rastogi
PATENT CENTER #	61913962	FILING DATE	06/10/2022
CUSTOMER #	177399	FIRST NAMED INVENTOR	Christopher T. Martin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Lisa Adams

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
17837768_SIDS_Apr_13_2023.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1234 KB
057664-348C02US_17837768_IDS_Transmittal.pdf	2	Transmittal Letter	89 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
17837768_SIDS_Apr_13_2023.	F4A3ADCE090EE29324CF35288591846194DB411549D5DFD11

pdf	AB7D8E79FC3538886ECF91BFACE3FF5218AC9DD05CFB4814 8AFCCF97E581773FC2476894C31F672
057664- 348C02US_17837768_IDS_Tra nsmittal.pdf	7956797E3B8A72FF960DE7DB651DA0763F81547A40E6A0C4F2 A344A4286B6AD149CFE22CC7B748203A6B8FEE0D275386DA4 8D889E254D908E1D0BD2C73B2A780

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/837,768	04/13/2023 11:28:18 AM ET	057664-348C02US

Title of Invention

COOKING DEVICE AND COMPONENTS THEREOF

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	9530	FILED BY	Deepti Rastogi
PATENT CENTER #	61913962	AUTHORIZED BY	Lisa Adams
CUSTOMER #	177399	FILING DATE	06/10/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Christopher T. Martin

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 500311	E20234CB29527729	Amy Geller

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1806	SUBMISSION OF AN INFORMATION DISCLOSURE STATEMENT	260.00	1	260.00
			TOTAL AMOUNT:	$260.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Docket No.: 057664-348C02US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Christopher Martin et al.

Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: PHUONG T NGUYEN

INFORMATION DISCLOSURE STATEMENT (IDS)

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed after the mailing date of either a Final Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311 or an action that otherwise closes prosecution in this application, but on or before payment of the Issue Fee (37 C.F.R. § 1.97(d)).

Pursuant to 37 C.F.R. § 1.97(e)(1), each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office

in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copy of U.S. publication is not submitted.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to the patentability as defined in 37 C.F.R. § 1.56(b).

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

Please charge our Deposit Account No. 50-0311 in the amount of $260.00 covering the fee set forth in 37 C.F.R. § 1.17(p). However, if a fee is due, please charge our Deposit Account No. 50-0311, under Order No. 057664-348C02US from which the undersigned is authorized to draw.

Dated: April 13, 2023

Respectfully submitted,

By: /Lisa Adams/
Lisa Adams
Registration No.: 44,238
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
(617) 348-3054
Attorney for Applicant

UNITED STATES PATENT AND TRADEMARK OFFICE
COMMISSIONER FOR PATENTS
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Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

Courtesy Reminder for
Application Serial No: 17/837,768

Attorney Docket No: 057664-348C02US
Customer Number: 177399
Date of Electronic Notification: 02/23/2023

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

To view your correspondence online or update your email addresses, please visit us anytime at **https://ppair-my.uspto.gov/pair/PrivatePair.**
If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 03/01/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER
NGUYEN, PHUONG T

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
03/01/2023	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Corrected ***Notice of Allowability***	**Application No.** 17/837,768	**Applicant(s)** Martin et al.	
	Examiner PHUONG T NGUYEN	**Art Unit** 3761	**AIA (FITF) Status** Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 02/23/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-22 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Christopher T. Martin	
Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: Nguyen, Phuong T.

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION PURSUANT TO 37 C.F.R. § 1.116

Dear Sir:

Applicant submits this paper in response to the final Office Action dated December 09, 2022.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

Docket No.: 057664-348C02US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Utility Application of: Christopher T. Martin et al.	Allowed: February 17, 2023
Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: P. T. Nguyen

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE UNDER 37 C.F.R. § 1.104(e)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicant has received the Examiner's Statement of Reasons for Allowance with the February 17, 2023 Notice of Allowance and Allowability regarding the above-identified application. Entry of the Statement into the record should not be construed as any agreement with or acquiescence in the reasoning stated by the Examiner. Each of the claims stands on its own merits and is patentable because of the combination it recites and not because of the presence or absence of any one particular element.

The Examiner's Statement was not prepared by Applicant and only contains the Examiner's possible positions in one or more reasons for allowability. Thus, any interpretation with

respect to the Examiner's Statement of Reasons for Allowance should not be imputed to the Applicant.

Dated: February 22, 2023

Respectfully submitted,

Electronic signature: /Lisa Adams/
Lisa Adams
Registration No.: 44,238
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
(617) 542-6000
Attorney for Applicant

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/837,768	**02/22/2023 03:46:22 PM ET**	**057664-348C02US**

Title of Invention

COOKING DEVICE AND COMPONENTS THEREOF

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	9530	FILED BY	Amy Geller
PATENT CENTER #	61634563	FILING DATE	06/10/2022
CUSTOMER #	177399	FIRST NAMED INVENTOR	Christopher T. Martin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Lisa Adams

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
057664-348C02US Comments.pdf	2	Post Allowance Communication - Incoming	100 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
057664-348C02US Comments.pdf	9A2C2754EAE9045CEC33BCD05777B6AD84427E047A7BC5FC8344C1145F378D9CF4768F259043115419298FA0029EE7D38CE8BBE4A7BB16AA330E2F4CF6178227

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized

by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

177399 7590 02/17/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER
NGUYEN, PHUONG T

ART UNIT	PAPER NUMBER
3761	

DATE MAILED: 02/17/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

TITLE OF INVENTION: COOKING DEVICE AND COMPONENTS THEREOF

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	05/17/2023

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

177399 7590 02/17/2023
Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

TITLE OF INVENTION: COOKING DEVICE AND COMPONENTS THEREOF

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	05/17/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, PHUONG T	3761	099-339000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 02/17/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER	
NGUYEN, PHUONG T	
ART UNIT	PAPER NUMBER
3761	

DATE MAILED: 02/17/2023

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 17/837,768	Applicant(s) Martin et al.	
	Examiner PHUONG T NGUYEN	Art Unit 3761	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 01/27/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-22 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☑ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☑ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

EXAMINER AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with attorney Nicholas M. Eadie on 02/07/2023. The application has been amended as follows:

1. (Currently amended) A cooking system comprising:

a housing having a first internal compartment and a second internal compartment, the first internal compartment and the second internal compartment being separated by a dividing wall extending upward from a base of the housing;

a first cooking container defining a first cooking volume, said first cooking container being removably receivable within said first internal compartment to completely close off an opening to said first internal compartment when fully inserted therein, and a second cooking container defining a second cooking volume, said second cooking container being removably receivable within said second internal compartment to completely close off an opening to said second internal compartment when fully inserted therein;

a first heating element and a second heating element disposed in said housing, said first heating element being in thermal communication with said first cooking volume and said second heating element being in thermal communication with said second cooking volume, the first and

second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and

a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

The following is an examiner's statement of reasons for allowance:

Allowance of claims 1-22 is indicated because:

- Terminal Disclaimer filed on 12/28/2022 that overcame the Double Patenting rejection;
- The applicant's argument in Pre-Appeal Brief conference request filed on 01/27/2023, has been fully considered and it is persuasive, such that the prior art of record does not anticipate or render fairly obvious in combination to teach the limitations of the claimed invention such as "*…the first internal compartment and the second internal compartment being separated by a dividing wall extending upward from a base of the housing; a first cooking container defining a first cooking volume, said first cooking container being removably receivable within said first internal compartment to completely close off an opening to said first internal compartment when fully inserted therein, and a second cooking container defining a second cooking volume, said second cooking container being removably receivable within said second internal compartment to completely close off an opening to said second internal compartment when fully inserted therein; a first heating element and a second heating element disposed in said housing, said first heating element being in thermal communication with said first cooking volume and said second heating element being in thermal communication with said second cooking volume, the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers…*" as cited in the independent claim 1; "*…the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating*

assemblies being programmable to simultaneously cook food in separate cooking modes, wherein the first and second internal cooking compartments are separated by a dividing wall extending upward from a base of the housing, wherein the first and second cooking containers are horizontally coplanar when disposed in the first and second internal cooking compartments respectively…" as cited in the independent claim 11; "*…the first and second cooking containers being separated from each other by a dividing wall extending upward from a base of the housing, …, the first and second heating elements being independently operable; and first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively…*" as cited in the independent claim 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONG NGUYEN whose telephone number is (571)270-1834. The examiner can normally be reached on Monday-Friday (8.00am-5.00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761
02/12/2023

Examiner-Initiated Interview Summary	**Application No.** 17/837,768	**Applicant(s)** Martin et al.		
	Examiner PHUONG T NGUYEN	**Art Unit** 3761	**AIA (First Inventor to File) Status** Yes	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
PHUONG T NGUYEN	Primary Examiner	Telephonic
NICHOLAS M. EADIE	Attorney	

Date of Interview: 07 February 2023

Issues Discussed:

Other

Authorization for an examiner's amendment (in attachment) was given in a telephone interview with attorney Nicholas M. Eadie.

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	**Art Unit**
	PHUONG T NGUYEN	3761

CPC								
Symbol							**Type**	**Version**
A47J	/	37	/	0641			F	2013-01-01
A47J	/	27	/	004			I	2013-01-01
A47J	/	27	/	12			I	2013-01-01
A47J	/	37	/	0664			I	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	22	
/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	07 February 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	**Art Unit**
	PHUONG T NGUYEN	3761

INTERNATIONAL CLASSIFICATION				
CLAIMED				
A47J	/	37	/	0641

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
99	339

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
99	324					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	22	
/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	07 February 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20230207

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	21	19										
2	2	12	11	22	20										
3	3	13	12	11	21										
4	4	14	13	17	22										
5	5	15	14												
6	6	16	15												
7	7	18	16												
8	8	19	17												
9	9	20	18												

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	22	
/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	07 February 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/07/2022	08/24/2022	02/07/2023						
1	1	÷	✓	=						
2	2	÷	✓	=						
3	3	÷	✓	=						
4	4	÷	✓	=						
5	5	÷	✓	=						
6	6	÷	✓	=						
7	7	÷	✓	=						
8	8	÷	✓	=						
9	9	÷	✓	=						
10	10	÷	✓	=						
12	11	÷	✓	=						
13	12	÷	✓	=						
14	13	÷	✓	=						
15	14	÷	✓	=						
16	15	÷	✓	=						
18	16	÷	✓	=						
19	17	÷	✓	=						
20	18	÷	✓	=						
21	19	÷	✓	=						
22	20	÷	✓	=						
11	21			=						
17	22			=						

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

CPC - Searched*		
Symbol	**Date**	**Examiner**
A47J37/0641, A47J27/00, A47J27/08, A47J27/09, A47J27/092, A47J36/025, A47J36/06, A47J36/08, A47J36/10, A47J36/12, A47J36/165, A47J36/18, A47J36/20, A47J36/22, A47J37/00, A47J37/12, A47J37/1204, A47J37/1209, A47J37/1214, A47J37/1219, A47J37/1266, A47J37/1285, A47J37/129, A47J37/1295	08/24/2022	PN
UPDATED Search	11/26/2022	PN
UPDATED Search	02/07/2023	PN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
099	324, 325, 330-343, 369, 400-418, 422, 425, 426, 430, 440, 444, 447, 448, 449, 451, 483, 495, 501	08/24/2022	PN
	UPDATED Search	11/26/2022	PN
	UPDATED Search	02/07/2023	PN

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

Search Notes		
Search Notes	**Date**	**Examiner**
EAST Search	08/24/2022	PN
CPC and USPC Search	08/24/2022	PN
INVENTOR Search	08/24/2022	PN
IDS Search	08/24/2022	PN
PLUS Search	08/24/2022	PN
INVENTIVE Search	08/24/2022	PN
INTERFERENCE Search	02/07/2023	PN

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
099	324, and + text search	02/07/2023	PN

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

PE2E SEARCH - Search History (Prior Art)

There are no Prior Art searches to show.

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	1	(first ADJ internal ADJ compartment) AND (second ADJ internal ADJ compartment) AND (dividing ADJ wall) AND (first ADJ cooking ADJ container) AND (second ADJ cooking ADJ container) AND (first ADJ heat$3) AND (second ADJ heat$3) AND (independently ADJ cook$3)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:06 PM

Bibliographic Data

Application No: 17/837,768

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /PHUONG T NGUYEN/ (Examiner's Signature) | (Initials)

Title: COOKING DEVICE AND COMPONENTS THEREOF

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/10/2022	099	3761	057664-348C02US
RULE			

APPLICANTS

SHARKNINJA OPERATING LLC, Needham, MA,

INVENTORS

Christopher T. Martin, North Attleboro, MA, UNITED STATES

Thomas Guerin, Boston, MA, UNITED STATES

Roger Neil Jackson, Cornwall, UNITED KINGDOM

Joshua D. Anthony, North Billerica, MA, UNITED STATES

Kerry Schwarz, Needham, MA, UNITED STATES

Michaela Dubeau, Uxbridge, MA, UNITED STATES

CONTINUING DATA

This application is a CON of 17219238 03/31/2021 PAT 11389026

17219238 is a CON of 17159414 01/27/2021

17159414 is a 371 of PCT/US2020/042120 07/15/2020

PCT/US2020/042120 has PRO of 62874193 07/15/2019 *

(*) Data provided by applicant is not consistent with PTO record

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

06/16/2022

STATE OR COUNTRY

UNITED STATES

ADDRESS

Mintz Levin/SharkNinja

One Financial Center

Boston, MA 02111

UNITED STATES

FILING FEE RECEIVED

$6,160

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L40	4	"17837768"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/02/07 09:01 PM
L41	2724	((("MARTIN") near3 ("Christopher")) OR (("GUERIN") near3 ("Thomas")) OR (("JACKSON") near3 ("Roger")) OR (("ANTHONY") near3 ("Joshua")) OR (("SCHWARZ") near3 ("Kerry")) OR (("DUBEAU") near3 ("Michaela"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/02/07 09:01 PM
L42	225	("10045651" OR "10051997" OR "10088173" OR "10094576" OR "10099839" OR "10101038" OR "10113749" OR "10143324" OR "10174953" OR "10190783" OR "10203117" OR "10234144" OR "10247424" OR "10271686" OR "10271690" OR "10285531" OR "10309659" OR "10337745" OR "10364990" OR "10364991" OR "10383477" OR "10390656" OR "10405696" OR "10405697" OR	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM

		"10405698" OR "10405699" OR "10413121" OR "10413122" OR "10426176" OR "10448785" OR "10448786" OR "10451285" OR "10492641" OR "10495319" OR "10495320" OR "10502433" OR "10512363" OR "10524615" OR "10598391" OR "10619862" OR "10627116" OR "10638882" OR "10660471" OR "10674853" OR "10674854" OR "10684022" OR "10694753" OR "10694882" OR "10712018" OR "10729144" OR "10731865" OR "10743709" OR "10743710" OR "10794599" OR "10835077" OR "10841981" OR "10849457" OR "10852002" OR "10865994" OR "10881246" OR "10883721" OR "10887952" OR "10890336" OR "10890372" OR "10914473" OR "10918112" OR "10920992" OR "11045046" OR "20090126580" OR "20120272832" OR "20120321770" OR "20160029829" OR "20160209028" OR "20160220057" OR "20170079473" OR "20170231430" OR "20170245683" OR "20170251859" OR "20180073746" OR "20180220500" OR "20180220842" OR "20180255971" OR					

		"20180259194" OR "20180303285" OR "20180352612" OR "20190045590" OR "20190063123" OR "20190137111" OR "20190170368" OR "20190208956" OR "20190239517" OR "20190242590" OR "20190246835" OR "20190246836" OR "20190246841" OR "20190254473" OR "20190254474" OR "20190254476" OR "20190254479" OR "20190269276" OR "20190282029" OR "20190290062" OR "20190290072" OR "20190298104" OR "20190298105" OR "20190298106" OR "20190307291" OR "20190309955" OR "20190313846" OR "20190313847" OR "20190328175" OR "20190380533" OR "20200033009" OR "20200033010" OR "20200072475" OR "20200132309" OR "20200138238" OR "20200138239" OR "20200149746" OR "20200182484" OR "20200187708" OR "20200187710" OR "20200200393" OR "20200200394" OR "20200200395" OR "20200208844" OR "20200229276" OR "20200268200" OR "20200288725" OR "20200309379" OR "20200323222" OR "20200329908" OR "20200329909" OR "20200345173" OR "20200352385" OR "20200378609" OR "20200383512" OR "5832812" OR "6545251" OR "6593552" OR					

		"6653602" OR "6758206" OR "6761159" OR "6878904" OR "6917017" OR "7064297" OR "7105778" OR "7105779" OR "7117866" OR "7227102" OR "7238921" OR "7250587" OR "7250588" OR "7297905" OR "7328654" OR "7339140" OR "7442901" OR "7703389" OR "8006685" OR "8035062" OR "8096231" OR "8212188" OR "8217314" OR "8274020" OR "8378265" OR "8389907" OR "8404292" OR "8517006" OR "8640608" OR "8669500" OR "8720323" OR "8735778" OR "8748783" OR "8883234" OR "8895902" OR "8993026" OR "9021942" OR "9072403" OR "9074776" OR "9080774" OR "9115904" OR "9192262" OR "9314134" OR "9326639" OR "9351495" OR "9370275" OR "9404661" OR "9433321" OR "9462912" OR "9480364" OR "9482437" OR "9504351" OR "9534791" OR "9534794" OR "9541295" OR "9568200" OR "9618212" OR "9635979" OR					

		"9661952" OR "9668615" OR "9671114" OR "9677774" OR "9681773" OR "9693655" OR "9702564" OR "9723954" OR "9746189" OR "9759430" OR "9759432" OR "9788687" OR "9795250" OR "9803873" OR "9863645" OR "9874354" OR "9879865" OR "9900936" OR "9903598" OR "9974312" OR "9976750" OR "9980322" OR "9980606" OR "9993111" OR "D688513" OR "D695058" OR "D724890").pn.					
L43	6214	(A47J37/0641 OR A47J27/00 OR A47J27/08 OR A47J27/09 OR A47J27/092 OR A47J36/025 OR A47J36/06 OR A47J36/08 OR A47J36/10 OR A47J36/12 OR A47J36/165 OR A47J36/18 OR A47J36/20 OR A47J36/22 OR A47J37/00 OR A47J37/12 OR A47J37/1204 OR A47J37/1209 OR A47J37/1214 OR A47J37/1219 OR A47J37/1266 OR A47J37/1285 OR A47J37/129 OR A47J37/1295).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM
L44	8622	L2 OR L3 OR L4	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM
L45	1063722	(two OR dual OR double) WITH (zone OR compartment OR chamber OR container)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM

L46	2791467	(separat$3 OR independent$3) WITH (operat$3 OR control$4)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM
L47	1161	L5 AND L6	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM
L48	1451	L5 AND L7	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM
L49	362	L8 AND L9	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/07 09:01 PM
L54	336	L44 AND (air ADJ fry$3)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/10 12:02 PM
L55	839	L44 AND (convection)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/10 12:03 PM
L56	28	L44 AND ((convection) WITH (separat$3 OR independent) WITH (control$4 OR operat$3))	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/10 12:04 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 02/13/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER	
NGUYEN, PHUONG T	

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
02/13/2023	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Notice of Panel Decision from Pre-Appeal Brief Review

Application No.	Applicant(s)		
17/837,768	Martin et al.		
Examiner	**Art Unit**	**AIA (FITF) Status**	
PHUONG T NGUYEN	3761	Yes	

This is in response to the Pre-Appeal Brief Request for Review filed 27 January 2023 .

1. ☐ **Improper Request** - The Request is improper and a conference will not be held for the following reason(s):

☐ The Notice of Appeal has not been filed concurrent with the Pre-Appeal Brief Request.
☐ The request does not include reasons why a review is appropriate.
☐ A proposed amendment is included with the Pre-Appeal Brief request.
☐ Other: _____ .

The time period for filing a response continues to run from the receipt date of the Notice of Appeal or from the mail date of the last Office communication, if no Notice of Appeal has been received.

2. ☐ **Proceed to Board of Patent Appeals and Interferences** - A Pre-Appeal Brief conference has been held. The application remains under appeal because there is at least one actual issue for appeal. Applicant is required to submit an appeal brief in accordance with 37 CFR 41.37. The time period for filing an appeal brief will be reset to be one month from mailing this decision, or the balance of the two-month time period running from the receipt of the notice of appeal, whichever is greater. Further, the time period for filing of the appeal brief is extendible under 37 CFR 1.136 based upon the mail date of this decision or the receipt date of the notice of appeal, as applicable.

☐ The panel has determined the status of the claim(s) is as follows:
Claim(s) allowed: _____ .
Claim(s) objected to: _____ .
Claim(s) rejected: _____ .
Claim(s) withdrawn from consideration: _____ .

3. ☐ **Allowable application** - A conference has been held. The rejection is withdrawn and a Notice of Allowance will be mailed. Prosecution on the merits remains closed. No further action is required by applicant at this time.

4. ☑ **Reopen Prosecution** - A conference has been held. The rejection is withdrawn and a new Office action will be mailed. No further action is required by applicant at this time.

All participants:

(1) PHUONG T NGUYEN .	(3) HEATHER SHACKELFORD .
(2) TU HOANG .	(4) _____ .

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	/TU B HOANG/ Supervisory Patent Examiner, Art Unit 3761	/HEATHER C SHACKELFORD/ Primary Examiner, OPQA

Doc Code: AP.PRE.REQ

Document Description: Pre-Appeal Brief Conference Request

PTO/AIA/33 (09-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PRE-APPEAL BRIEF REQUEST FOR REVIEW

Docket Number (Optional): 057664-348C02US

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Signature

Typed or printed name

Application Number	Filed
17/837,768	June 10 2022

First Named Inventor: Christopher T. Martin

Art Unit	Examiner
3761	Nguyen, Phuong T.

Applicant requests review of the final rejection in the above-identified application. No amendments are being filed with this request.

This request is being filed with a notice of appeal.

The review is requested for the reason(s) stated on the attached sheet(s).
Note: No more than five (5) pages may be provided.

I am the

☐ applicant.

☑ attorney or agent of record. Registration number 44,238.

☐ attorney or agent acting under 37 CFR 1.34.
Registration number if acting under 37 CFR 1.34 _____

/Lisa Adams/
Signature

Lisa Adams
Typed or printed name

617-348-3054
Telephone number

01/27/2023
Date

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ *Total of 1 forms are submitted.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0031. Public burden for this form is estimated to average 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf

Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a Federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 9) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Additional Uses

Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections, or an issued patent, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.

PTO/AIA/31 (12-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

NOTICE OF APPEAL FROM THE EXAMINER TO THE PATENT TRIAL AND APPEAL BOARD

Docket Number (Optional): 057664-348C02US

I hereby certify that this correspondence is being facsimile transmitted to the USPTO, transmitted via the USPTO's patent electronic filing system, or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____.

Signature _____

Typed or printed name _____

First Named Inventor: Christopher T. Martin	
Application Number: 17/837,768	Filed: June 10, 2022
For: COOKING DEVICE AND COMPONENTS THEREOF	
Art Unit: 3761	Examiner: Nguyen, Phuong T.

Applicant hereby **appeals** to the Patent Trial and Appeal Board from the last decision of the examiner.

The fee for this Notice of Appeal is (37 CFR 41.20(b)(1)) $ 840.00

☐ Applicant asserts small entity status. See 37 CFR 1.27. Therefore, the fee shown above is reduced by 60%, and the resulting fee is: $ _____

☐ Applicant certifies micro entity status. See 37 CFR 1.29. Therefore, the fee shown above is reduced by 80%, and the resulting fee is: $ _____
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-0311.

☑ Payment made via USPTO's patent electronic filing system (Patent Center or EFS-Web).

☐ A petition for an extension of time under 37 CFR 1.136(a) (PTO/AIA/22 or equivalent) is enclosed.
For extensions of time in reexamination proceedings, see 37 CFR 1.550.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant

☑ attorney or agent of record Registration number 44,238

☐ attorney or agent acting under 37 CFR 1.34 Registration number _____

Signature /Lisa Adams/

Typed or printed name Lisa Adams

Telephone Number 617-348-3054

Date 01/27/2023

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ * Total of 1 forms are submitted.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0031. Public burden for this form is estimated to average 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

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Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections, or an issued patent, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Utility Application of: Christopher T. Martin	
Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: Nguyen, Phuong T.

COMMENTS FOR PRE-APPEAL BRIEF REVIEW

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

This paper is in response to the final Office Action dated December 9, 2022 ("Office Action") and the Advisory Action dated January 9, 2023 ("Advisory Action"). This paper is being filed concurrently with a Notice of Appeal and a Pre-Appeal Brief Request for Review. Appellant respectfully submits that there are clear errors in the rejection of claims 1-20, as set forth below. In view of the below remarks, Appellant submits that all claims are in condition for allowance, and allowance thereof is respectfully requested.

The 35 U.S.C. § 103 Rejections Are Deficient

Claims 1-20 are rejected pursuant to 35 U.S.C. § 103 as being unpatentable over U.S. Patent Publication No. 2009/0126580 of Hartfelder et al. (hereinafter "Hartfelder") in view of U.S. Patent Publication No. 2012/0272832 of Kwon et al. (hereinafter "Kwon"). The Office relies on Hartfelder to teach a cooking system including a housing, first and second internal compartments, first and second cooking volumes, and first and second heating elements, as recited in independent claim 1. The Office admits that Hartfelder fails to teach "first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers," and "a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume." *Office Action*, p. 4. The Office

thus relies on Kwon to remedy these deficiencies, arguing that it would have been obvious to a person having ordinary skill in the art (POSA) at the time of the invention to modify Hartfelder in view of Kwon "in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*), such that said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume." *Id.* at p. 7. Applicant respectfully disagrees.

1. The Combination Fails To Teach Containers That Close Off An Opening

Claim 1 recites a first cooking container "being removably receivable within said first internal compartment *to close off an opening* to said first internal compartment when inserted therein," and a second cooking container "being removably receivable within said second internal compartment *to close off an opening* to said second internal compartment when inserted therein."

Hartfelder is directed to a food warming apparatus for keeping previously cooked food warm. The apparatus is in the form of a housing with an open front 18 and having multiple heating compartments 24, each configured to receive a tray. *Hartfelder*, para. [0029]. Each compartment includes support surfaces for supporting the trays therein, and heaters plates for heating the trays. *Id.* at paras. [0032] and [0037]. Each compartment can also include a cover 44 that at least partially covers the tray when inserted therein to restrict evaporation so as to prevent the food from drying out, and that remains in the compartment when the tray is removed. *Id.* at paras. [0055] and [0058].

Hartfelder fails to teach cooking containers that *close off an opening* to the internal compartments. To the contrary, Hartfelder teaches a housing with an <u>open</u> front 18. *Id.* at para. [0029]. The trays do not close off the open front, and instead Hartfelder provides covers for at least partially closing the trays. *Id.* at para. [0055]. The Office argues,

> [s]ince the claim does not specific [sic] define that a cooking container completely "close off" an opening to a first internal compartment, neither define what degree of "close off", such that a tray 40 (considered as cooking container) of Hartfelder is more or less "close off" a compartment 24 (considered as first internal compartment) in some degrees.

Advisory Action. Contrary to the Office's interpretation, the trays of Hartfelder do not close off

an opening of the cooking compartments. The plain language of claim 1 says that the cooking containers close off an opening to the internal compartments. An object such as a tray of Hartfelder that only partially blocks an opening cannot be considered to "close off" an open front under any reasonable interpretation. Further, the tray does not close off the open front at all because the tray extends into the internal compartment "until it reaches an internal position." *Hartfelder*, para. [0024]. Kwon is not relied on to remedy this deficiency of Hartfelder.

Accordingly, claim 1 distinguishes over Hartfelder and Kwon for at least this reason. Claims 2-10 distinguish over Hartfelder and Kwon at least because they depend from claim 1.

2. It Would Not Have Been Obvious To Add Convection Fans To A Warming Apparatus

Further, the Examiner asserts that it would have been obvious to add the fans of Kwon to the warming apparatus of Hartfelder. As noted above, Hartfelder is directed to a *warming* device, not a cooking apparatus. As taught in paragraph [0019] of Hartfelder, the food warming apparatus *maintains previously-cooked* food. In other words, Hartfelder does not cook food, but rather maintains a current temperature of the food. Kwon discloses an oven having upper and lower convection fans that are used to *cook food* by circulating air in the cooking chamber. *Kwon*, para. [00046]. Since Hartfelder is directed to a warming device for keeping food that is already cooked warm, and teaches away from cooking the food, no person having ordinary skill in the art would modify Hartfelder to include the fans of Kwon.

The Advisory Action asserts that the food warming apparatus of Hartfelder "is not only used to warm maintains [sic] previously-cooked food, it also can be used to cook food, that's depended [sic] on what kind of food(s) to be cooked." *Advisory Action*. On the contrary, there is no suggestion in Hartfelder that its food warming apparatus can be used to actually cook food. The Advisory Action also states, "both references are related as the same technical field (cooking area) such that it would have been obvious to combine them." This is likewise inaccurate, and ignores the specific teachings in Hartfelder that the device merely warms previously cooked food. Since the fans of Kwon operate to *cook* food and the food warming apparatus of Hartfelder does *not* cook food, adding the fans to Hartfelder would change the entire purpose of Hartfelder which is to warm, not cook, food.

Accordingly, it would not have been obvious to modify Hartfelder in view of Kwon for at

least this reason, and therefore independent claims 1, 11, and 16, as well as claims 2-10, 12-15, and 17-20 which depend therefrom, distinguish over the prior art.

3. Hartfelder Teaches Away From The Use of Fans

Not only is the proposed modification not obvious, but Hartfelder teaches away from the modification. Hartfelder specifically recognizes that warming previously cooked food can *dry out* the food and suggests covering the food to restrict moisture evaporation. *Hartfelder*, para. [0006]. The addition of any fans to Hartfelder would have the opposite effect of keeping the food moist, causing further drying of the food. Convection fans, such as those taught by Kwon, operate to cook food by removing moisture from the food. Accordingly, the proposed modification would increase evaporation and would result in unwanted drying of the food, contrary to the teachings in Hartfelder.

For at least this additional reason, independent claims 1, 11, and 16, as well as claims 2-10, 12-15, and 17-20 which depend therefrom, distinguish over the prior art.

4. The Examiner's Motivation Is Improper

The rejection is further improper because the motivation for modifying Hartfelder in view of Kwon is erroneous. The Office argues that the combination is obvious "in order to apply a variety of temperature conditions in the first and second cooking chambers." *Office Action* at p. 7. The fans in Kwon operate "so that food is cooked by circulating air in the cooking chamber through convection." *Kwon*, par. [0046]. The fans do not apply a variety of temperatures. Instead, this is achieved by adjusting the heating elements. The Advisory Action further states that the "Kwon reference teaches each heater can be adjusted by itself such that the heat [sic] air (blows [sic] by fans) can make it changes [sic] the temperature conditions in each chamber." *Advisory Action*. The Office seems to acknowledge that it is the heating devices, not the fans, that have the ability to change the temperatures in the cooking chambers. Accordingly, simply adding fans to Hartfelder will not allow a variety of temperature conditions to be applied. Thus, a POSA would not have been motivated to add the first and second fans of Kwon to the invention of Hartfelder for the purpose of applying a variety of temperature conditions in the first and second heating compartments.

5. The Modification Would Render Hartfelder Inoperable

Finally, modifying the food warming apparatus of Hartfelder to add the fans of Kwon would render Hartfelder's device inoperable. The heating compartments of Hartfelder comprise open cavities that do not have doors to close them off. Because of this, if the fans of Kwon were added to the food warming apparatus of Hartfelder, the fans could end up cooling the heating compartments by blowing warm air out of the compartment and drawing in cooling air. Therefore, a POSA would not have been motivated to modify the food warming apparatus of Hartfelder by adding the first and second fans of Kwon because doing so would render Hartfelder's device inoperable.

In conclusion, in addition to the reasons provided in previous responses, a person having ordinary skill in the art would not modify Hartfelder with the teachings of Kwon, contrary to what is asserted in the rejection. Thus, claims 1, 11, and 16, as well as claims 2-10, 12-15, and 17-20 which depend therefrom, distinguish over the prior art and represent allowable subject matter.

Conclusion

In conclusion, Applicant submits that all pending claims are now in condition for allowance for at least the reasons discussed above, and allowance thereof is respectfully requested. The Examiner is encouraged to telephone the undersigned attorney for Applicant if such communication is deemed to expedite prosecution of this application. Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 50-0311, under Order No. 057664-348C02US from which the undersigned is authorized to draw.

Dated: January 27, 2023

Respectfully submitted,

Electronic signature: /Lisa Adams/
Lisa Adams, Reg. No. 44,238
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
(617) 348-3054
Attorney for Applicant

Electronic Patent Application Fee Transmittal

Application Number:	17837768
Filing Date:	10-Jun-2022
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Filer:	Lisa Adams/Valerie Borry
Attorney Docket Number:	057664-348C02US

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
NOTICE OF APPEAL	1401	1	840	840
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**840**

Electronic Acknowledgement Receipt

EFS ID:	47438416
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Lisa Adams
Filer Authorized By:	
Attorney Docket Number:	057664-348C02US
Receipt Date:	27-JAN-2023
Filing Date:	10-JUN-2022
Time Stamp:	12:26:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$840
RAM confirmation Number	E20231QC26322092
Deposit Account	500311
Authorized User	Lisa Adams

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Pre-Appeal Brief Conference Request	057664348C02USPreAppealBriefRequest.PDF	486567 bf0de9eeca00ad676ad52452e803bd4fd5ca1eb4	no	2
Warnings:					
Information:					
2	Notice of Appeal Filed	057664348C02USRequestNoticeofAppealTransmittal.PDF	485119 2476fd4c09abe742bd1f50f94be17a4e7ac423bc	no	2
Warnings:					
Information:					
3	Pre-Appeal Brief Conference Request	057664348C02USPreAppeal.PDF	202740 9c3511b1abf830622b905dfaa4011c1422795bb1	no	5
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	38128 1bc673296f1631e3b509461dd7bc86c5335ffb49	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1212554		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 01/09/2023

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER	
NGUYEN, PHUONG T	

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
01/09/2023	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 17/837,768	**Applicant(s)** Martin et al.	
	Examiner PHUONG T NGUYEN	**Art Unit** 3761	**AIA (FITF) Status** Yes

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 28 December 2022 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☑ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☐ The period for reply expires ____ months from the mailing date of the final rejection.
   b) ☑ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection.The current period for reply expires ____ months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.
   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANTS FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37CFR 41.37(a).

AMENDMENTS

3. ☑ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☑ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☑ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.
   NOTE: See Continuation Sheet (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☑ For purposes of appeal, the proposed amendment(s):(a) ☑ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____
9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☑ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☐ Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:1-20.
    Claim(s) withdrawn from consideration:_____.

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

Continuation of 3. NOTE:

In the proposed amendment claim filed on 12/28/2022, the newly added claims 21-22 have raised new issues that would require further consideration and/or search. Additionally, they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issue for appeal.

Continuation of REQUEST FOR RECONSIDERATION/OTHER 12. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:

In the Remark filed on 12/28/2022, the applicant's arguments are not persuasive because:

With respect to 103 Rejection:

The applicant's argument is not persuasive because: in response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See /n re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). In this case, the secondary Kwon is only used to disclose a first and a second heating elements being independently operable and a first fan and a second fan, all the other limitations already disclosed by the primary Hartfelder reference. Additionally, both references are related as the same technical field (cooking area) such that it would have been obvious to combine them.
It is noted that the phrase "a variety of temperature conditions in the first and second cooking chambers" is not recited in the present claim.
Furthermore, Kwon reference teaches each heater can be adjusted by itself such that the heat air (blows by fans) can make it changes the temperature conditions in each chamber. Finally, the primary Hartfeder references teaches a food warming apparatus, it is not only used to warm maintains previously-cooked food, it also can be used to cook food, that's depended on what kind of food(s) to be cooked.
Since the claim does not specific define that a cooking container completely “close off’ an opening to a first internal compartment, neither define what degree of “close off’, such that a tray 40 (considered as cooking container) of Harfelder is more or less “close off’ a compartment 24 (considered as first internal compartment) in some degrees.

With respect to Double Patenting Rejection:

The applicant's argument is persuasive such that the double patenting to U.S. Patent 11045046 and 11297977 are withdrawn.
The Terminal Disclaimer filed on 12/28/2022 that overcame the Double Patenting with respect to U.S. Patent 11389026.
The Double Patenting rejection with respect to the Patent application 17159414 is maintained.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Christopher T. Martin	
Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: Nguyen, Phuong T.

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION PURSUANT TO 37 C.F.R. § 1.116

Dear Sir:

Applicant submits this paper in response to the final Office Action dated December 09, 2022.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed	PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	17837768
Filing Date	10-Jun-2022
First Named Inventor	Christopher Martin
Attorney Docket Number	057664-348C02US
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF

☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
SHARKNINJA OPERATING LLC	100%

The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

11389026

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

◉ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

○	I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

○ Small Entity

○ Micro Entity

◉ Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

◉ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 75972

○ A sole inventor

○ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

○ A joint inventor; all of whom are signing this request

Signature	/Nicholas Eadie/
Name	Nicholas Eadie

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	17837768
Filing Date:	10-Jun-2022
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Filer:	Nicholas M. Eadie/Tracey Schraffa
Attorney Docket Number:	057664-348C02US

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**170**

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 17837768

Filing Date: 10-Jun-2022

Applicant/Patent under Reexamination: Martin

Electronic Terminal Disclaimer filed on December 28, 2022

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	47286188
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Nicholas M. Eadie/Tracey Schraffa
Filer Authorized By:	Nicholas M. Eadie
Attorney Docket Number:	057664-348C02US
Receipt Date:	28-DEC-2022
Filing Date:	10-JUN-2022
Time Stamp:	15:05:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$170
RAM confirmation Number	E2022BRF05460441
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	41240 583996450fa8830f53a0cd94cad7bacb2e54fbd4	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37953 6bb7cf658ad8f1f99c1de2c1533980860dd427a9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	79193		

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New Applications Under 35 U.S.C. 111

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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Christopher T. Martin	
Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: Nguyen, Phuong T.

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION PURSUANT TO 37 C.F.R. § 1.116

Dear Sir:

Applicant submits this paper in response to the final Office Action dated December 09, 2022.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

AMENDMENTS TO THE CLAIMS

1. (Original) A cooking system comprising:

a housing having a first internal compartment and a second internal compartment, the first internal compartment and the second internal compartment being separated by a dividing wall extending upward from a base of the housing;

a first cooking container defining a first cooking volume, said first cooking container being removably receivable within said first internal compartment to close off an opening to said first internal compartment when inserted therein, and a second cooking container defining a second cooking volume, said second cooking container being removably receivable within said second internal compartment to close off an opening to said second internal compartment when inserted therein;

a first heating element and a second heating element disposed in said housing, said first heating element being in thermal communication with said first cooking volume and said second heating element being in thermal communication with said second cooking volume, the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and

a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

2. (Previously Presented) The cooking system of claim 1, wherein said first cooking container and said second cooking container are individually insertable into said first internal compartment and said second internal compartment respectively.

3. (Original) The cooking system of claim 1, wherein said first internal compartment and said second internal compartment are fluidly separate.

4. (Original) The cooking system of claim 1, wherein said first fan is stacked vertically relative to said first heating element within said housing and said second fan is stacked vertically relative to said second heating element within said housing.

5. (Original) The cooking system of claim 1, wherein said first fan includes a first inlet, a

second inlet, and an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet.

6. (Original) The cooking system of claim 1, wherein said first fan has a first axially oriented inlet and a first radially oriented outlet and said second fan has a second axially oriented inlet and a second radially oriented outlet.

7. (Original) The cooking system of claim 1, wherein said first cooking container includes a first handle and said second cooking container includes a second handle.

8. (Original) The cooking system of claim 1, further comprising a motor operably coupled to each of said first fan and said second fan.

9. (Original) The cooking system of claim 8, wherein said motor is located externally from said first internal compartment and said second internal compartment.

10. (Original) The cooking system of claim 8, wherein said motor is positioned between said first internal compartment and said second internal compartment.

11. (Previously Presented) A cooking system, comprising:

a housing having a first internal cooking compartment with a first cooking container removably disposed therein and a second internal compartment with a second cooking container removably disposed therein, the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes,

wherein the first and second internal cooking compartments are separated by a dividing wall extending upward from a base of the housing, wherein the first and second cooking containers are horizontally coplanar when disposed in the first and second internal cooking compartments respectively.

12. (Original) The cooking system of claim 11, wherein the first cooking container includes a first external handle attached thereto and the second cooking container includes a second external handle attached thereto.

13. (Original) The cooking system of claim 11, wherein the first internal cooking compartment and the second internal cooking compartment are independently operable to cook food using at least one of conduction, convection, radiation, and induction.

14. (Previously Presented) The cooking system of claim 11, further comprising a control system configured to operate the first and second heating assemblies, the control system being configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

15. (Original) The cooking system of claim 11, further comprising a motor operably coupled to each of the first and second fans, the motor configured to operate the first and second fans at the same speed or at different speeds.

16. (Original) A cooking system, comprising:

a housing having first and second internal independently removable cooking containers disposed therein, the first and second cooking containers being separated from each other by a dividing wall extending upward from a base of the housing, each of the first and second cooking containers defining a cooking volume therein, the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein;

first and second heating elements disposed in the housing adjacent the cooking volume of the first and second cooking containers, respectively, the first and second heating elements being independently operable; and

first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively.

17. (Original) The cooking system of claim 16, further comprising a control system

configured to operate cooking processes of food contained in the first and second cooking containers.

18. (Original) The cooking system of claim 17, wherein the control system is configured to independently operate the first and second heating elements and the first and second fans.

19. (Original) The cooking system of claim 17, wherein the control system is configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

20. (Original) The cooking system of claim 17, wherein the control system is configured to adjust cooking parameters based on sensed data without user input.

21. (New) The cooking system of claim 1, wherein the housing has a first opening extending into the first internal compartment and a second opening extending into the second internal compartment, and wherein said first cooking container is removably receivable within said first internal compartment to seal the first opening to said first internal compartment when inserted therein, and wherein said second cooking container is removably receivable within said second internal compartment to seal the second opening to said second internal compartment when inserted therein.

22. (New) The cooking system of claim 11, wherein the housing has a first opening extending into the first internal cooking compartment and a second opening extending into the second internal compartment, and wherein the first cooking container is configured to seal the first opening to said first internal cooking compartment when said first cooking container is disposed therein, and wherein the second cooking container is configured to seal the second opening to said second internal cooking compartment when said second cooking container is disposed therein.

REMARKS

The present Office Action addresses and rejects claims 1-20. Reconsideration is respectfully requested in view of the amendments and remarks herein.

Amendments to the Claims

New claims 21-22 are added as set forth above. Support for the amendments can be found throughout the application, for example in Figure 13-14. No new matter is added.

Rejections Pursuant to 103

Claims 1-20 are rejected pursuant to 35 U.S.C. § 103 as being obvious over U.S. Patent Publication No. 2009/0126580 of Hartfelder et al. (hereinafter "Hartfelder") in view of U.S. Patent Publication No. 2012/0272832 of Kwon et al. (hereinafter "Kwon").

As set forth in claim 1 above, claim 1 recites, in relevant part, "first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers" and "a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume." Claims 11 and 16 contain similar limitations.

The Examiner relies on Hartfelder to teach the claimed cooking system, but admits that Hartfelder fails to teach first and second heating elements that are independently operable, and first and second fans in the first and second cooking volumes. Thus, the Examiner relies on Kwon to teach a first fan and a second fan disposed in a housing and asserts that:

> **[i]t would have been obvious** to one of ordinary skill in the art before the time the invention was made to modify the invention of Hartfelder, with the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and a first fan and a second fan disposed in said housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*), such that said first fan being in fluid communication with said first cooking volume and said

> second fan being in fluid communication with said second cooking volume.

Office Action dated December 9, 2022, p. 7 (emphasis original). Applicant respectfully disagrees.

A person having ordinary skill in the art (hereinafter "POSA") at the time of the claimed invention would not have modified Hartfelder in view of Kwon for several reasons.

At the outset, the Examiner incorrectly interprets the purpose of the fans in Kwon. The Examiner asserts that a POSA would have been motivated to modify the invention of Hartfelder by adding the first and second fans of Kwon "in order to apply a variety of temperature conditions in the first and second cooking chambers." *Id.* However, as taught in paragraph [0046] of Kwon, the fans operate "so that food is cooked by circulating air in the cooking chamber through convection." *Kwon*, par. [0046]. In other words, the fans do not apply a variety of temperatures. Instead, this is achieved by adjusting the heating elements. Accordingly, since Kwon does not teach that the fans apply a variety of temperature conditions in the first and second cooking chambers, a POSA would not have been motivated to add the first and second fans of Kwon to the invention of Hartfelder for the purpose of applying a variety of temperature conditions in the first and second heating compartments.

Even considering the correct purpose of the fans of Kwon as described above, a POSA would not have been motivated to add fans to the invention of Hartfelder. As taught in paragraph [0019] of Hartfelder, the food warming apparatus *maintains previously-cooked* food. In other words, Hartfelder does not cook food, but rather maintains a current temperature of the food. Since the fans of Kwon operate to *cook* food and the food warming apparatus of Hartfelder does *not* cook food, adding the fans to Hartfelder would change the entire purpose of Hartfelder which is to warm, not cook, food.

Additionally, the heating compartments of Hartfelder comprise open cavities that do not have doors to close them off. Because of this, if the fans of Kwon were added to the food warming apparatus of Hartfelder, the fans could end up cooling the heating compartments by blowing warm air out of the compartment and drawing in cooling air. Therefore, a POSA would

not have been motivated to modify the food warming apparatus of Hartfelder by adding the first and second fans of Kwon because doing so would render Hartfelder's device inoperable.

Accordingly, it would not have been obvious to one of ordinary skill in the art to modify the invention of Hartfelder to include a first fan and a second fan disposed in the housing, as taught by Kwon. Claims 1, 11, and 16, as well as claims 2-10, 12-15, and 17-20 which depend therefrom, therefore distinguish over the prior art and represent allowable subject matter.

Double Patenting Rejections

Claims 1-10 are provisionally rejected on the grounds of non-statutory double patenting as being unpatentable over claims 1-71 of co-pending U.S. Application No. 17/159,414. Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. 11,045,046. Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 11,389,026. Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-7 of U.S. Patent No. 11,297,977.

A terminal disclaimer is not filed at this time over copending U.S. Application No. 17/159,414 because the rejections are merely provisional. Without conceding to the rejections, to expedite prosecution, a terminal disclaimer is filed herewith, thereby obviating the basis for the double patenting rejections concerning U.S. Patent No. 11,389,026.

With regard to U.S. Patent Nos. 11,045,046 and 11,297,977, as pointed out in Applicant's prior response, **these patents are not commonly owned** nor claim an invention made as a result of activities undertaken within the scope of a joint research agreement with Applicant's present application. As such, the double patenting rejections citing to U.S. Patent Nos. 11,045,046 and 11,297,977 are ***irrelevant*** and withdrawal of the rejection is respectfully requested.

Conclusion

On the basis of the foregoing, the pending claims are in condition for allowance. It is believed that all of the pending claims have been addressed in this paper. That any specific rejection, issue, or comment has not been explicitly addressed does not signify agreement with or

concession of that rejection, issue, or comment. In addition, because the arguments made above are not intended to be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper.

No fees are believed to be due. However, the Commissioner is hereby authorized to charge any additional claim fees and any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 057664-348C02US. If there are any questions regarding this response, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully Submitted,

Dated: December 28, 2022

/Nicholas M. Eadie/

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Registration No.: 75,972
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UNITED STATES
PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/837,768	**12/28/2022 01:50:30 PM ET**	**057664-348C02US**

Title of Invention

COOKING DEVICE AND COMPONENTS THEREOF

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	9530	FILED BY	Tracey Schraffa
PATENT CENTER #	61360198	FILING DATE	06/10/2022
CUSTOMER #	177399	FIRST NAMED INVENTOR	Christopher T. Martin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Nicholas Eadie

Documents

TOTAL DOCUMENTS: 3

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
Response_57664-348C02US.pdf		9	-	236 KB
Response_57664-348C02US-A.NE.pdf	(1-1)	1	Response After Final Action	106 KB
Response_57664-348C02US-CLM.pdf	(2-5)	4	Claims	146 KB
Response_57664-348C02US-REM.pdf	(6-9)	4	Applicant Arguments/Remarks Made in an Amendment	218 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Response_57664-348C02US.pdf	309F38E5F46B2A67495B23AF3E1A5CF887C22C2EB47D311815B42E879D96229D34E7DF5D9F2A893463DC99F6C98C02C55F6B2049D7585698315A175D661B548F
Response_57664-348C02US-A.NE.pdf	FBF78FC13CB2323C8E78CDCD0EA9432EBD15CD7E9F6362714439263EB8C65D9C51EA2E96C2ADF81F053AAAF0ADCED9693C8CFF48DBA9BD19B11E16685684230D
Response_57664-348C02US-CLM.pdf	88B532D19EF793308C20E9325151D6471676A775F9D0CA1617F4E15EF4F159DDCA5771A9E6967E279903256982AB146F07C5008E4CF3C37EA4DB49071C444287
Response_57664-348C02US-REM.pdf	F0B6D0166F3249031C162234D7ADCCFEF456FB8512CCB3A80791A45003BD5725E7C62F6F08ABC8526DDFFC153B2433D6556D0BC8556D846A0FF777A6039D5DF8

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

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APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/837,768	12/28/2022 01:50:30 PM ET	057664-348C02US

Title of Invention

COOKING DEVICE AND COMPONENTS THEREOF

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	9530	FILED BY	Tracey Schraffa
PATENT CENTER #	61360198	AUTHORIZED BY	Nicholas Eadie
CUSTOMER #	177399	FILING DATE	06/10/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Christopher T. Martin

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 500311	E2022BRD51284046	Tracey Schraffa

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1202	EACH CLAIM IN EXCESS OF 20	100.00	2	200.00
			TOTAL AMOUNT:	$200.00

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PTO/SB/06 (09-11)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/837,768	Filing Date 06/10/2022	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	12/28/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 22	Minus	** 20	= 2		x $100 =	200
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	200

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	PSS
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/FIKIRTE A GEREMEW/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 12/09/2022

Mintz Levin/SharkNinja
One Financial Center
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EXAMINER
NGUYEN, PHUONG T

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
12/09/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Office Action Summary	Application No. 17/837,768	Applicant(s) Martin et al.	
	Examiner PHUONG T NGUYEN	Art Unit 3761	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 11/22/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☑ This action is **FINAL.** 2b) ☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-20 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 10/28/2022. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 103

The following is a quotation of AIA 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any

evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and effective filing dates of each claim that was not commonly owned as of the effective filing date of the later invention in order for the examiner to consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claims 1-20 are rejected under 35 U.S.C. 103 as being unpatentable over Hartfelder et al. (US 20090126580 A1 previously cited) in view of Kwon et al. (US 20120272832 A1 previously cited).

Regarding claim 1, Hartfelder discloses

A cooking system (*food warming apparatus 10, fig.1*) comprising:

a housing (*housing 12, fig.1*) having a first internal compartment (*heating compartment 24 on left, fig.1*) and a second internal compartment (*heating compartment 24 on right, fig.1*), the first internal compartment (*heating compartment 24 on left*) and the second internal compartment (*heating compartment 24 on right*) being separated by a dividing wall (*divider 50, fig.1*) extending upward from a base of the housing (*housing 12*);

a first cooking container (*tray 40, fig.1*) defining a first cooking volume, said first cooking container (*tray 40, fig.1*) being removably receivable within said first internal compartment (*heating compartment 24 on left*) to close off an opening to said first internal compartment (*heating compartment 24 on left*) when inserted therein, and

a second cooking container (*tray 42, fig.1*) defining a second cooking volume, said second cooking container (*tray 42*) being removably receivable within said second internal

compartment (*heating compartment 24 on right*) to close off an opening to said second internal compartment (*heating compartment 24 on right*) when inserted therein;

a first heating element and a second heating element (*heater plates 70, 72, fig.1*) disposed in said housing (*housing 12*), said first heating element (*heater plate 70*) being in thermal communication with said first cooking volume and said second heating element (*heater plate72*) being in thermal communication with said second cooking volume.

However, Hartfelder does not disclose the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and

a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

Kwon discloses a cooking system (*cooking apparatus 1, fig.2*) comprising:

a first (*broil heater 50, fig.2*) and a second heating (*bake heater 51, fig.2*) elements being independently operable to independently cook food contained within the first (*chamber 41, fig.2*) and second cooking (*chamber 42, fig.2*) containers [Par.0069 cited: "*....in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54 ....*"]; and

a first fan (*upper convection fan 53, fig.2*) and a second fan (*lower convection fan 54, fig.2*) disposed in said housing (*main body 10, fig.2*).

Regarding claim 2, Hartfelder discloses

said first cooking container (*tray 40, fig.1*) and said second cooking container (*tray 42, fig.1*) are individually insertable into said first internal compartment (*heating compartment 24 on left, fig.1*) and said second internal compartment (*heating compartment 24 on right, fig.1*) respectively.

Regarding claim 3, Hartfelder discloses

said first internal compartment (*heating compartment 24 on left, fig.1*) and said second internal compartment (*heating compartment 24 on right, fig.1*) are fluidly separate.

Regarding claim 4, Kwon discloses

said first fan (*upper convection fan 53, fig.2*) is stacked vertically relative to said first heating element (*broil heater 50, fig.2*) within said housing (*main body 10, fig.2*) and said second fan (*upper convection fan 53, fig.2*) is stacked vertically relative to said second heating element (*chamber 42, fig.2*) within said housing (*main body 10*).

Regarding claim 5, Kwon discloses

said first fan (*upper convection fan 53, fig.2*) includes a first inlet, a second inlet, and an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet [*upper convection fan 53 has a first, a second and an outlet, fig.2*].

Regarding claim 6, Kwon discloses

said first fan (*upper convection fan 53, fig.2*) has a first axially oriented inlet and a first radially oriented outlet and said second fan (*upper convection fan 53, fig.2*) has a second axially oriented inlet and a second radially oriented outlet.

Regarding claim 7, Hartfelder discloses

said first cooking container (*tray 40, fig.1*) includes a first handle [*tray 40 has an edge, fig.1*] and said second cooking container (*tray 42, fig.1*) includes a second handle [*tray 42 has an edge, fig.1*].

Regarding claim 8, Kwon discloses

a motor (*upper motor 55, lower motor 56, fig.2*) operably coupled to each of said first fan (*upper convection fan 53, fig.2*) and said second fan (*upper convection fan 53, fig.2*).

Regarding claim 9, Kwon discloses

said motor (*upper motor 55, lower motor 56, fig.2*) is located externally from said first internal compartment (*chamber 41, fig.2*) and said second internal compartment (*chamber 42, fig.2*).

Regarding claim 10, Kwon discloses

said motor (*upper motor 55, lower motor 56, fig.2*) is positioned between said first internal compartment (*chamber 41, fig.2*) and said second internal compartment (*chamber 42, fig.2*).

It would have been obvious to one of ordinary skill in the art before the time the invention was made to modify invention of Hartfelder, with the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and a first fan and a second fan disposed in said housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*), such that said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

Regarding claim 11, Hartfelder discloses

A cooking system (*food warming apparatus 10, fig.1*), comprising:

a housing (*housing 12, fig.1*) having a first internal cooking compartment (*heating compartment 24 on left, fig.1*) with a first cooking container (*tray 40, fig.1*) removably disposed therein and a second internal compartment (*heating compartment 24 on right, fig.1*) with a second cooking container (*tray 42, fig.1*) removably disposed therein,

wherein the first (*heating compartment 24 on left*) and second (*heating compartment 24 on right*) internal cooking compartments are separated by a dividing wall (*divider 50, fig.1*) extending upward from a base of the housing (*housing 12*), wherein the first (*tray 40*) and

second (*tray 42*) cooking containers are horizontally coplanar when disposed in the first (*heating compartment 24 on left*) and second (*heating compartment 24 on right*) internal cooking compartments respectively.

However, Hartfelder does not disclose the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes.

Kwon discloses a cooking system (*cooking apparatus 1, fig.2*) comprising: a first internal compartment (*chamber 41, fig.2*) including a first heating assembly (*upper convection fan 53, broil heater 50, fig.2*) comprising a first fan (*upper convection fan 53, fig.2*) and a first heating element (*broil heater 50, fig.2*), and the second internal cooking compartment (*chamber 42, fig.2*) including a second heating assembly (*lower convection fan 54, bake heater 51, fig.2*) comprising a second fan (*lower convection fan 54, fig.2*) and a second heating element (*bake heater 51, fig.2*), the first (*upper convection fan 53, broil heater 50*) and second (*lower convection fan 54, bake heater 51*) heating assemblies being independently operable to independently cook food [Par.0069 cited: "*....in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake*

heater 51, the convection heater 52, and the lower convection heater 54 …."], and the first (*upper convection fan 53, broil heater 50*) and second (*lower convection fan 54, bake heater 51*) heating assemblies being programmable to simultaneously cook food in separate cooking modes [*broil in chamber 40 and bake in chamber 42,* Par.0069].

Regarding claim 12, Hartfelder discloses

the first cooking container (*tray 40, fig.1*) includes a first external handle [*tray 40 has an edge, fig.1*] attached thereto and the second cooking container (*tray 42, fig.1*) includes a second external handle [*tray 42 has an edge, fig.1*] attached thereto.

Regarding claim 13, Kwon discloses

the first internal cooking compartment (*chamber 41, fig.2*) and the second internal cooking compartment (*chamber 42, fig.2*) are independently operable to cook food using at least one of conduction, convection [Pars.0046-0047], radiation, and induction.

Regarding claim 14, Kwon discloses

a control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) configured to operate the first (*upper convection fan 53, broil heater 50, fig.2*) and second heating (*lower convection fan 54, bake heater 51, fig.2*) assemblies, the control system being configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

Regarding claim 15, Kwon discloses

a motor (*upper motor 55, lower motor 56, fig.2*) operably coupled to each of the first (*upper convection fan 53, fig.2*) and second (*upper convection fan 53, fig.2*) fans, the motor (*upper motor 55, lower motor 56*) configured to operate the first (*upper convection fan 53*) and second (*upper convection fan 53*) fans at the same speed or at different speeds.

It would have been obvious to one of ordinary skill in the art before the time the invention was made to modify invention of Hartfelder, with the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*).

Regarding claim 16, Hartfelder discloses

A cooking system (*food warming apparatus 10, fig.1*), comprising:

a housing (*housing 12, fig.1*) having first (*tray 40, fig.1*) and second (*tray 42, fig.1*) internal independently removable cooking containers disposed therein, the first (*tray 40*) and second (*tray 42*) cooking containers being separated from each other by a dividing

wall (*divider 50, fig.1*) extending upward from a base of the housing (*housing 12*), each of the first (*tray 40*) and second (*tray 42*) cooking containers defining a cooking volume therein,

first and second heating elements (*heater plates 70, 72, fig.1*) disposed in the housing (*housing 12*) adjacent the cooking volume of the first (*tray 40*) and second (*tray 42*) cooking containers, respectively.

However, Hartfelder does not disclose

the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein;

the first and second heating elements being independently operable; and

first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively.

Kwon discloses a cooking system (*cooking apparatus 1, fig.2*) comprising:

a first (*chamber 41, fig.2*) and second (*chamber 41, fig.2*) cooking compartment being configured to engage with first and second respective channels (*outlet holes 60, fig.3*) inside the housing to define first and second respective air ducts therein.

a first (*broil heater 50, fig.2*) and second (*bake heater 51, fig.2*) heating elements being independently operable [Par.0069 cited: "*....in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion*

or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54 …."]; and

first (*upper convection fan 53, fig.2*) and second (*lower convection fan 54, fig.2*) fans disposed in the housing (*main body 10, fig.2*) adjacent the first (*broil heater 50*) and second (*bake heater 51*) heating elements, respectively, the first (*upper convection fan 53*) and second (*lower convection fan 54*) fans being independently operable [Par.0069 cited: "*….in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54 ….*"], and the first (*upper convection fan 53*) and second fans (*lower convection fan 54, fig.2*) being configured to circulate air through the first (*chamber 41*) and second (*chamber 42*) cooking volumes, respectively.

Regarding claim 17, Kwon discloses

a control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) configured to operate cooking processes of food.

Hartfelder discloses first (*tray 40, fig.1*) and second (*tray 42, fig.1*) containers.

Regarding claim 18, Kwon discloses

the control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) is configured to independently operate the first (*broil heater 50, fig.2*) and second heating elements (*bake heater 51, fig.2*) and the first (*upper convection fan 53, fig.2*) and second (*lower convection fan 54, fig.2*) fans.

Regarding claim 19, Kwon discloses

the control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) is configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type [*control system is inherently that can be performed the function*].

Regarding claim 20, Kwon discloses

the control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) is configured to adjust cooking parameters based on sensed data without user input [*control system is inherently that can be performed the function*].

It would have been obvious to one of ordinary skill in the art before the time the invention was made to modify invention of Hartfelder, with the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein; the first and second heating elements being independently operable; and first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*).

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit http://www.uspto.gov/forms/. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all

requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

Claims 1-10 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-71 of copending Application No. 17159414.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of copending **Application No. 17159414** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of copending **Application No. 17159414**.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. US11045046 B1.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of **U.S. Patent No. US11045046 B1** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of **U.S. Patent No. US11045046 B1**.

Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. US11389026 B2.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of **U.S. Patent No. US11389026 B1** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of **U.S. Patent No. US11389026 B1**.

Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-7 of U.S. Patent No. US11297977 B2.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of **U.S. Patent No. US11297977 B1** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of **U.S. Patent No. US11297977 B1**.

Response to Amendment

With respect to Claim Objection: since the amended claim has been filed on 11/22/2022, such that the Claim Objection is withdrawn.

Response to Argument

Applicant's arguments in Remark filed on 11/22/2022 have been fully considered but they are not persuasive as the following reasons:

The applicants argue: "*...The Examiner asserts that Hartfelder discloses a first cooking container being removably receivable within said first internal compartment to close off an opening to said first internal compartment when inserted therein. At the outset, Applicant notes that the Examiner points to element "40" of Figure 1 as the first cooking container, and the left side of element "24" as the first internal compartment. Tray 40 does not close off an opening to the left side of heating compartment 24, and there is simply no such teaching or suggestion in Hartfelder. Further, the teachings in paragraph [0052] and Figures 1 and 8 of Hartfelder relating to the tray 40 illustrate that a cover 44 can be placed on top of tray 40. A cover would likely be unnecessary if Hartfelder disclosed a cooking container closing off an opening to an internal compartment as the Examiner asserts. Hartfelder simply fails to teach that tray 40 closes off an opening to the left side of the heating compartment 24.*

The Examiner asserts that Kwon discloses a first fan and a second fan disposed in a housing. The Examiner asserts that it would have been obvious to one of ordinary skill in the art before the time the invention was made to modify the invention of Hartfelder with a first fan and a second fan disposed in the housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers, such that the first fan would be in fluid communication with the first cooking volume and the second fan would be in fluid communication with the second cooking volume. However, Hartfelder is directed to a food warming apparatus for warming previously cooked food and Kwon is directed to a cooking apparatus for cooking food by convection. A person having ordinary skill in the art would simply not add the convection fans 53 and 54 of Kwon to the food warming apparatus of Hartfelder because the food warming apparatus of Hartfelder does not cook food by convection or any other means. Therefore, it would not have been obvious to modify the invention of Hartfelder with a first fan and a second fan disposed in

the housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers, such that the first fan would be in fluid communication with the first cooking volume and the second fan would be in fluid communication with the second cooking volume...", Remark Pages 6-7.

The examiner's response: the applicant's arguments above are not persuasive by following reason:

Since the claim does not specific define that a cooking container completely "close off" an opening to a first internal compartment, neither define what degree of "close off", such that a tray 40 (considered as cooking container) of Harfelder is more or less "close off" a compartment 24 (considered as first internal compartment) in some degrees.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.,* 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). In this case, the secondary Kwon is only used to disclose a first and a second heating elements being independently operable and a first fan and a second fan, all the other limitations already disclosed by the primary Hartfelder reference. Additionally, both references are related as the same technical field (cooking area) such that it would have been obvious to combine them.

With respect to Double Patenting rejection: since no Terminal has not been filed, such that the Double Patenting rejection is maintained.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONG NGUYEN whose telephone number is (571)270-1834. The examiner can normally be reached on Monday-Friday (8.00am-5.00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on

access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761
12/04/2022

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/07/2022	08/24/2022							
	1	÷	✓							
	2	÷	✓							
	3	÷	✓							
	4	÷	✓							
	5	÷	✓							
	6	÷	✓							
	7	÷	✓							
	8	÷	✓							
	9	÷	✓							
	10	÷	✓							
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	18	÷	✓							
	19	÷	✓							
	20	÷	✓							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

CPC - Searched*		
Symbol	**Date**	**Examiner**
A47J37/0641, A47J27/00, A47J27/08, A47J27/09, A47J27/092, A47J36/025, A47J36/06, A47J36/08, A47J36/10, A47J36/12, A47J36/165, A47J36/18, A47J36/20, A47J36/22, A47J37/00, A47J37/12, A47J37/1204, A47J37/1209, A47J37/1214, A47J37/1219, A47J37/1266, A47J37/1285, A47J37/129, A47J37/1295	08/24/2022	PN
UPDATED Search	11/26/2022	PN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
099	324, 325, 330-343, 369, 400-418, 422, 425, 426, 430, 440, 444, 447, 448, 449, 451, 483, 495, 501	08/24/2022	PN
	UPDATED Search	11/26/2022	PN

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
EAST Search	08/24/2022	PN
CPC and USPC Search	08/24/2022	PN
INVENTOR Search	08/24/2022	PN
IDS Search	08/24/2022	PN
PLUS Search	08/24/2022	PN
INVENTIVE Search	08/24/2022	PN

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L12	2	"20090126580"	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:06 PM
L13	2	"20120272832"	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:07 PM
L14	4	"17837768"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/11/26 07:44 PM
L15	2685	((("MARTIN") near3 ("Christopher")) OR (("GUERIN") near3 ("Thomas")) OR (("JACKSON") near3 ("Roger")) OR (("ANTHONY") near3 ("Joshua")) OR (("SCHWARZ") near3 ("Kerry")) OR (("DUBEAU") near3 ("Michaela"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/11/26 07:44 PM
L16	225	("10045651" OR "10051997" OR "10088173" OR "10094576" OR "10099839" OR "10101038" OR "10113749" OR "10143324" OR "10174953" OR "10190783" OR "10203117" OR "10234144" OR "10247424" OR "10271686" OR "10271690" OR "10285531" OR "10309659" OR "10337745" OR "10364990" OR "10364991" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM

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L18	8520	L2 OR L3 OR L4	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM

L19	1054344	(two OR dual OR double) WITH (zone OR compartment OR chamber OR container)	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM
L20	2758979	(separat$3 OR independent$3) WITH (operat$3 OR control$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM
L21	1138	L5 AND L6	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM
L22	1418	L5 AND L7	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM
L23	352	L8 AND L9	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM
L24	3	"20120272832"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/11/26 07:44 PM
L25	2	"20090126580"	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM
L26	2	"20120272832"	(US-PGPUB; USPAT)	OR	ON	ON	2022/11/26 07:44 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Nguyen, Phuong T.
Attorney Docket Number	057664-348C02US

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	1	105615640	CN	A	2016-06-01	Huichi Dev Co Ltd		
	2	205849310	CN	U	2017-01-04	Liu Jianchang		
	3	206675433	CN	U	2017-11-28	Yunnan Lingyuexuan Food Co Ltd		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Attorney Docket Number	057664-348C02US

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EXAMINER SIGNATURE

Examiner Signature	/PHUONG T NGUYEN/	Date Considered	11/26/2022

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Nguyen, Phuong T.
Attorney Docket Number	057664-348C02US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

✓ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lisa Adams/	Date (YYYY-MM-DD)	2022-10-28
Name/Print	Lisa Adams	Registration Number	44238

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

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Electronic Acknowledgement Receipt

EFS ID:	47071829
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Lisa Adams
Filer Authorized By:	
Attorney Docket Number:	057664-348C02US
Receipt Date:	22-NOV-2022
Filing Date:	10-JUN-2022
Time Stamp:	13:44:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Request for Reconsideration-After Non-Final Rejection	348C02USResponseNonFinalOfficeAction.pdf	946119 2124733b11ac88e8698a5defb26ae5a6bb3689d4	no	9

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Information:	
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Christopher T. Martin	
Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: Nguyen, Phuong T.

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION

Dear Sir or Madam:

Applicant submits this paper in response to the non-final Office Action dated September 07, 2022.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

AMENDMENTS TO THE CLAIMS

1. (Original) A cooking system comprising:

a housing having a first internal compartment and a second internal compartment, the first internal compartment and the second internal compartment being separated by a dividing wall extending upward from a base of the housing;

a first cooking container defining a first cooking volume, said first cooking container being removably receivable within said first internal compartment to close off an opening to said first internal compartment when inserted therein, and a second cooking container defining a second cooking volume, said second cooking container being removably receivable within said second internal compartment to close off an opening to said second internal compartment when inserted therein;

a first heating element and a second heating element disposed in said housing, said first heating element being in thermal communication with said first cooking volume and said second heating element being in thermal communication with said second cooking volume, the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and

a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

2. (Currently Amended) The cooking system of claim 1, wherein said first cooking container and said second cooking container are individually insertable into said first ~~cooking~~ internal compartment and said second ~~cooking~~ internal compartment respectively.

3. (Original) The cooking system of claim 1, wherein said first internal compartment and said second internal compartment are fluidly separate.

4. (Original) The cooking system of claim 1, wherein said first fan is stacked vertically relative to said first heating element within said housing and said second fan is stacked vertically relative to said second heating element within said housing.

5. (Original) The cooking system of claim 1, wherein said first fan includes a first inlet, a

second inlet, and an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet.

6. (Original) The cooking system of claim 1, wherein said first fan has a first axially oriented inlet and a first radially oriented outlet and said second fan has a second axially oriented inlet and a second radially oriented outlet.

7. (Original) The cooking system of claim 1, wherein said first cooking container includes a first handle and said second cooking container includes a second handle.

8. (Original) The cooking system of claim 1, further comprising a motor operably coupled to each of said first fan and said second fan.

9. (Original) The cooking system of claim 8, wherein said motor is located externally from said first internal compartment and said second internal compartment.

10. (Original) The cooking system of claim 8, wherein said motor is positioned between said first internal compartment and said second internal compartment.

11. (Currently Amended) A cooking system, comprising:

a housing having a first internal cooking compartment with a first cooking container removably disposed therein and a second internal compartment with a second cooking container removably disposed therein, the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes,

wherein the first and second internal cooking compartments are separated by a dividing wall extending upward from a base of the housing, wherein the first and second cooking containers are ~~substantially~~ horizontally coplanar when disposed in the first and second internal cooking compartments respectively.

12. (Original) The cooking system of claim 11, wherein the first cooking container includes a first external handle attached thereto and the second cooking container includes a second external handle attached thereto.

13. (Original) The cooking system of claim 11, wherein the first internal cooking compartment and the second internal cooking compartment are independently operable to cook food using at least one of conduction, convection, radiation, and induction.

14. (Currently Amended) The cooking system of claim 11, further comprising a control system configured to operate the first and second ~~cooking~~ heating assemblies, the control system being configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

15. (Original) The cooking system of claim 11, further comprising a motor operably coupled to each of the first and second fans, the motor configured to operate the first and second fans at the same speed or at different speeds.

16. (Original) A cooking system, comprising:

a housing having first and second internal independently removable cooking containers disposed therein, the first and second cooking containers being separated from each other by a dividing wall extending upward from a base of the housing, each of the first and second cooking containers defining a cooking volume therein, the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein;

first and second heating elements disposed in the housing adjacent the cooking volume of the first and second cooking containers, respectively, the first and second heating elements being independently operable; and

first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively.

17. (Original) The cooking system of claim 16, further comprising a control system

configured to operate cooking processes of food contained in the first and second cooking containers.

18. (Original) The cooking system of claim 17, wherein the control system is configured to independently operate the first and second heating elements and the first and second fans.

19. (Original) The cooking system of claim 17, wherein the control system is configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

20. (Original) The cooking system of claim 17, wherein the control system is configured to adjust cooking parameters based on sensed data without user input.

REMARKS

The present Office Action addresses and rejects claims 1-20. Reconsideration is respectfully requested in view of the amendments and remarks herein.

Amendments to the Claims

Claims 2, 11, and 14 are amended as set forth above. Support for the amendments can be found throughout the application, for example in paragraphs [0091], [0099], and [0103]. No new matter is added.

Objections to the Claims

Claims 2 and 11-15 are objected to because of the following informalities:

- In Claim 2: the limitations: "*first cooking compartment*" and "*second cooking compartment*" should be changed to *–first internal compartment–* and *–second internal compartment–*
- In Claim 11: the term: "*substantially*" should be removed.
- In Claim 14: the term: "*first and second cooking assemblies*" should be changed to *–first and second heating assemblies–*.

Applicant has amended these claims to address these errors, thereby obviating the basis for these objections.

Rejections Pursuant to 103

Claims 1-20 are rejected under 35 U.S.C. 103 as being obvious over U.S. Publication No. 2009/0126580 of Hartfelder et al. (hereinafter "Hartfelder") in view of U.S. Publication No. 2012/0272832 of Kwon et al. (hereinafter "Kwon"). Applicant respectfully disagrees.

As set forth in claim 1 above, claim 1 recites a "cooking container being removably receivable within said first internal compartment to close off an opening to said first internal compartment when inserted therein," and "a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan

being in fluid communication with said second cooking volume." Claims 11 and 16 contain similar limitations.

The Examiner asserts that Hartfelder discloses a first cooking container being removably receivable within said first internal compartment to close off an opening to said first internal compartment when inserted therein. At the outset, Applicant notes that the Examiner points to element "40" of Figure 1 as the first cooking container, and the left side of element "24" as the first internal compartment. Tray 40 does not close off an opening to the left side of heating compartment 24, and there is simply no such teaching or suggestion in Hartfelder. Further, the teachings in paragraph [0052] and Figures 1 and 8 of Hartfelder relating to the tray 40 illustrate that a cover 44 can be placed on top of tray 40. A cover would likely be unnecessary if Hartfelder disclosed a cooking container closing off an opening to an internal compartment as the Examiner asserts. Hartfelder simply fails to teach that tray 40 closes off an opening to the left side of the heating compartment 24.

The Examiner asserts that Kwon discloses a first fan and a second fan disposed in a housing. The Examiner asserts that it would have been obvious to one of ordinary skill in the art before the time the invention was made to modify the invention of Hartfelder with a first fan and a second fan disposed in the housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers, such that the first fan would be in fluid communication with the first cooking volume and the second fan would be in fluid communication with the second cooking volume. However, Hartfelder is directed to a food warming apparatus for warming previously cooked food and Kwon is directed to a cooking apparatus for cooking food by convection. A person having ordinary skill in the art would simply not add the convection fans 53 and 54 of Kwon to the food *warming* apparatus of Hartfelder because the food warming apparatus of Hartfelder <u>does not cook</u> food by convection or any other means. Therefore, it would not have been obvious to modify the invention of Hartfelder with a first fan and a second fan disposed in the housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers, such that the first fan would be in fluid communication with the first cooking volume and the second fan would be in fluid communication with the second cooking volume.

Claims 1, 11, and 16, as well as claims 2-10, 12-15, and 17-20 which depend therefrom, therefore distinguish over the prior art and represent allowable subject matter

Double Patenting Rejections

Claims 1-10 are provisionally rejected on the grounds of non-statutory double patenting as being unpatentable over claims 1-71 of co-pending U.S. Application No. 17/159,414. Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. 11,045,046. Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 11,389,026. Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-7 of U.S. Patent No. 11,297,977.

A terminal disclaimer is not filed at this time over copending U.S. Application No. 17/159,414 because the rejections are merely provisional. Without conceding to the rejections, to expedite prosecution, a terminal disclaimer is filed herewith, thereby obviating the basis for the double patenting rejections concerning U.S. Patent No. 11,389,026.

U.S. Patent Nos. 11,045,046 and 11,297,977 are neither commonly owned nor claim an invention made as a result of activities undertaken within the scope of a joint research agreement with Applicant's present application. As such, the double patenting rejections citing to U.S. Patent Nos. 11,045,046 and 11,297,977 are irrelevant and withdrawal of the rejections is respectfully requested.

Conclusion

On the basis of the foregoing, the pending claims are in condition for allowance. It is believed that all of the pending claims have been addressed in this paper. That any specific rejection, issue, or comment has not been explicitly addressed does not signify agreement with or concession of that rejection, issue, or comment. In addition, because the arguments made above are not intended to be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper.

No fees are believed to be due. However, the Commissioner is hereby authorized to charge any additional claim fees and any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 057664-348C02US. If there are any questions regarding this response, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully Submitted,

Dated: November 22, 2022

/Lisa Adams/

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ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	11/22/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
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* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
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Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Nguyen, Phuong T.
Attorney Docket Number	057664-348C02US

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	1	105615640	CN	A	2016-06-01	Huichi Dev Co Ltd		
	2	205849310	CN	U	2017-01-04	Liu Jianchang		
	3	206675433	CN	U	2017-11-28	Yunnan Lingyuexuan Food Co Ltd		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17837768
	Filing Date	2022-06-10
	First Named Inventor	Christopher T. Martin
	Art Unit	3761
	Examiner Name	Nguyen, Phuong T.
	Attorney Docket Number	057664-348C02US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	17837768
	Filing Date	2022-06-10
	First Named Inventor	Christopher T. Martin
	Art Unit	3761
	Examiner Name	Nguyen, Phuong T.
	Attorney Docket Number	057664-348C02US

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

✓ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lisa Adams/	Date (YYYY-MM-DD)	2022-10-28
Name/Print	Lisa Adams	Registration Number	44238

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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Espacenet

CN105615640A Cooking device and cooking method

Applicants: HUICHI DEV CO LTD

Inventors: HUANG ZHONGHUI

Classifications:

IPC ***A47J27/092;***

CPC **A47J27/092 (CN);**

Priorities: CN201610113442A 2016-02-29

Application: CN201610113442A·2016-02-29

Publication: CN105615640A·2016-06-01

Published as: CN105615640A

Cooking device and cooking method

Abstract

The invention relates to a cooking device. The cooking device comprises a shell, a base, an inner container, a cover and a heating module, a transparent window is arranged on the cover, the cooking device further comprises a control module and an exhaust module, the control module comprises a processor and an input panel connected with the processor, the heating module comprises a bottom heating unit positioned in a containing cavity which is connected with the processor, the inner container is arranged in the containing cavity and positioned above the bottom heating unit, the exhaust module comprises an air inflation element, an air suction element, an air incoming passage and an air exhausting passage, and the air suction element is used for sucking out mist or lampblack positioned in the inner container before the cover is opened and continues running after the cover is opened. The invention further provides a cooking method. The cooking device has the advantages of compact structure and capability of avoiding lampblack pollution.

(19)中华人民共和国国家知识产权局

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代理人 郭晓华

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A47J 27/092(2006.01)

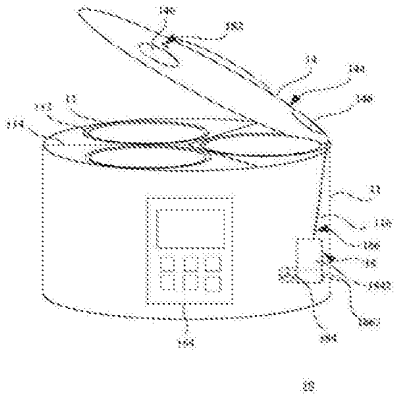
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(54)发明名称

烹饪装置及烹饪方法

(57)摘要

本发明涉及一种烹饪装置及烹饪方法。上述烹饪装置包括壳体、底座、内胆、盖体及加热模块，该盖体上设有透明视窗，该烹饪装置还包括控制模块与排气模块，该控制模块包括处理器及与该处理器相连的输入面板，该加热模块具有位于该容纳腔内的底部加热单元，该底部加热单元与该处理器连接，该内胆设于该容纳腔内且在该底部加热单元的上方，该排气模块包括充气元件、抽气元件、进气通道及排气通道，该抽气元件用于在打开该盖体前抽出位于该内胆内的雾气或油烟且在该盖体打开后继续运行。本发明还提供一种烹饪方法。上述烹饪装置具有结构较为紧凑且可以避免油烟污染的优点。



CN 105615640 A

1.一种烹饪装置，其包括壳体、底座、内胆、盖体及加热模块，该壳体设于该底座上，该壳体内具有容纳腔，该内胆位于该容纳腔内，该盖体设于该壳体上且与该容纳腔的开口相配合，其特征在于，该烹饪装置还包括控制模块与排气模块，该控制模块包括处理器及与该处理器相连的输入面板，该加热模块具有位于该容纳腔内的底部加热单元，该底部加热单元与该处理器连接，该内胆设于该容纳腔内且在该底部加热单元的上方，该排气模块包括充气元件、抽气元件、进气通道及排气通道，该抽气元件位于该排气通道上，该抽气元件用于在打开该盖体前抽出位于该内胆内的雾气或油烟且在该盖体打开后继续运行。

2.如权利要求1所述的烹饪装置，其特征在于：该盖体上设有透明视窗，该烹饪装置还包括压力感测器，该压力感测器设置在该盖体上。

3.如权利要求1所述的烹饪装置，其特征在于：该烹饪装置还包括与该处理器相连的影像采集单元，该影像采集单元的采集头设置在该盖体上，该影像采集单元在该抽气元件抽气后开启拍摄功能。

4.如权利要求1所述的烹饪装置，其特征在于：该加热模块包括多个位于该容纳腔内且相互独立的底部加热单元，每个加热单元分别与该处理器连接，所述内胆也具有多个而与预定的底部加热单元相对应。

5.如权利要求4所述的烹饪装置，其特征在于：该容纳腔内根据该底部加热单元的设置，由多个间隔壁分隔成多个子容纳腔，每个子容纳腔内至少含有一个底部加热单元。

6.如权利要求1所述的烹饪装置，其特征在于：该进气通道位于该盖体上且该进气通道具有突出于该盖体的喷嘴。

7.如权利要求1所述的烹饪装置，其特征在于：该充气元件具有用于向内胆中快速喷气的高压气体储藏腔。

8.如权利要求1所述的烹饪装置，其特征在于：该抽气元件具有用于快速抽气的真空腔。

9.一种烹饪方法，其包括以下步骤：

将待烹饪的食物放入如权利要求1所述的烹饪装置的内胆中；

盖上盖体，开启该烹饪装置；

在烹饪时，通过该控制模块设定将外部空气输入到内胆与正在烹饪的食物接触；

在打开盖体前，通过该控制模块控制，由该排气模块将该内胆中的雾气或油烟排出，并在替换为外部空气；

在打开盖体后，设定该排气模块的抽气元件继续保持继续运行，以抽出从食物中继续蒸发出的雾气或油烟。

10.如权利要求9所述的烹饪方法，其特征在于：在打开该盖体前，通过该控制模块控制该充气元件与该抽气元件在，将该内胆内的雾气或油烟后由外部空气替换后，还继续让该充气元件运行使该内胆内的气压大于外部环境的气压。

烹饪装置及烹饪方法

技术领域

[0001] 本发明涉及一种家用电器，尤其是一种家用烹饪装置及烹饪方法。

背景技术

[0002] 食物的烹饪是人们生活中必不可少的一项活动。随着技术的发展，烹饪方法和烹饪装置的种类和样式越来越丰富。然而市场上推出的烹饪装置普遍为一个单锅，该单锅集炒锅、蒸锅、烧烤等功能与一体，由于一锅集多种功能导致每一功能的实用质量不高，多而不精。

[0003] 因此现有技术中也逐渐出现一些多用锅，其可以同时对多种食物进行烹饪。例如何廷华等发明的一些烹饪装置，如CN99240621.8揭示一种双体智能电饭煲。施军达等发明的一些烹饪装置，如CN201010564027.5揭示一种三位慢炖锅，CN201010223628.X揭示一种组合式三位慢炖锅，CN201310313040.7揭示一种带电脑控制板的慢炖锅，CN200810061573.X揭示一种组合式慢炖锅，CN201110087910.4揭示一种具有嵌装加热结构的慢炖锅，CN201110066811.8揭示一种套装组合式多位保温锅，CN200910153461.1揭示一种多锅位慢炖锅，CN201310168675.2揭示一种可拆卸慢炖锅，CN201110030368.9揭示一种三锅体结构的保温锅，CN201310168728.0揭示一种三合一多用锅；这些烹饪装置能一次炖制三种不同的食物。再例如谌平涛、吴金水及杨国清等发明的一些烹饪装置，如CN201320276658.6揭示一种电炖锅，CN201320179101.0揭示一种电炖锅，CN201220553296.6揭示一种电炖锅；这些烹饪装置能一次炖制两种或以上不同的食物。

[0004] 然而，上述现有技术中的多用锅，其结构类似于现有的灶台，仍较为复杂，不够紧凑。

[0005] 此外，针对电饭锅内的雾气，在CN200510037553.5中，李文庆揭示了一种真空保温装置，其通过对内锅抽真空，可以延迟保温中的米饭变黄、变酸。然而，这样的设计对于烹饪过程产生的油烟污染却无帮助。在CN200910204171.5中，钱海鹏等揭示了一种烹饪装置，包括外壳、与外壳上端部饺接的上盖、固设在外壳内的保温内筒、设置在保温内筒中的烹饪锅以及用于控制烹饪装置运行的控制装置，还包括：下加热装置，位于烹饪锅的下部，并固设在保温内筒的内底面上：排气装置的进气喷嘴与外壳和上盖形成的腔体连通，排气装置的出气口与大气连通，用于排出腔体中的废气：温控装置设置在保温内筒的底面，用于检测烹饪锅的温度并将温度信息传给控制装置以控制下加热装置的开关：下加热装置、排气装置和温控装置分别与控制装置电连接。通过下加热装置对放入烹饪锅中的食物进行加热，并通过排气装置将烹饪装置腔体中的油烟和水蒸气排出，提高制作食物的质量。进一步，在CN200910204171.5中，烹饪装置还包括有鼓气装置，鼓气装置的排气口与所述外壳和所述上盖形成的腔体连通，所述鼓气装置的入气口与大气连通，用于向所述腔体中的注入空气。然而，在CN200910204171.5中，与外界相通的进气喷嘴都是设置在烹饪装置的底部位置，在外界空气进入烹饪装置后会被加热才会到内胆，如此外界空气不易于替换内胆中的水蒸气或油烟，在开盖的时候仍容易有较多水蒸气或油烟外溢，造成空气污染。

发明内容

[0006] 鉴于上述状况，有必要提供一种结构较为紧凑、可以改善油烟污染的烹饪装置及烹饪方法。

[0007] 一种烹饪装置，其包括壳体、底座、内胆、盖体及加热模块，该壳体设于该底座上，该壳体内具有容纳腔，该内胆位于该容纳腔内，该盖体设于该壳体上且与该容纳腔的开口相配合，该烹饪装置还包括控制模块与排气模块，该控制模块包括处理器及与该处理器相连的输入面板，该加热模块具有位于该容纳腔内的底部加热单元，该底部加热单元与该处理器连接，该内胆设于该容纳腔内且在该底部加热单元的上方，该排气模块包括充气元件、抽气元件、进气通道及排气通道，该抽气元件位于该排气通道上，该抽气元件用于在打开该盖体前抽出位于该内胆内的雾气或油烟且在该盖体打开后继续运行。

[0008] 该盖体上设有透明视窗，该烹饪装置还包括压力感测器，该压力感测器设置在该盖体上。

[0009] 该烹饪装置还包括与该处理器相连的影像采集单元，该影像采集单元的采集头设置在该盖体上，该影像采集单元在该抽气元件抽气后开启拍摄功能。

[0010] 该加热模块包括多个位于该容纳腔内且相互独立的底部加热单元，每个加热单元分别与该处理器连接，所述内胆也具有多个而与预定的底部加热单元相对应。

[0011] 该容纳腔内根据该底部加热单元的设置，由多个间隔壁分隔成多个子容纳腔，每个子容纳腔内至少含有一个底部加热单元。

[0012] 该进气通道位于该盖体上且该进气通道具有突出于该盖体的喷嘴。

[0013] 该充气元件具有用于向内胆中快速喷气的高压气体储藏腔。

[0014] 该抽气元件具有用于快速抽气的真空腔。

[0015] 一种烹饪方法，其包括以下步骤：将待烹饪的食物放入如上述的烹饪装置的内胆中；盖上盖体，开启该烹饪装置；在烹饪时，通过该控制模块设定将外部空气输入到内胆与正在烹饪的食物接触；在打开盖体前，通过该控制模块控制，由该排气模块将该内胆中的雾气或油烟排出，并在替换为外部空气；在打开盖体后，设定该排气模块的抽气元件继续保持继续运行，以抽出从食物中继续蒸发出的雾气或油烟。

[0016] 在打开该盖体前，通过该控制模块控制该充气元件与该抽气元件在，将该内胆内的雾气或油烟后由外部空气替换后，还继续让该充气元件运行使该内胆内的气压大于外部环境的气压。

[0017] 上述烹饪装置包括排气模块，排气模块可以排出烹饪时产生的雾气或其他油烟排出，可防止油烟对人体健康的影响及对厨房的污染。

附图说明

[0018] 图1是本发明第一实施例的烹饪装置的立体示意图。

[0019] 图2是图1所示的烹饪装置在移除盖体及内胆后的俯视图。

[0020] 图3是图1所示的烹饪装置的盖体的仰视图。

[0021] 图4是图1所示的烹饪装置的控制模块的连接框图。

[0022] 图5是图1所示的烹饪装置的一种使用状态示意图。

[0023] 图6是图1所示的烹饪装置的另一种使用状态示意图。

[0024] 图7是本发明第二实施例的烹饪装置的在移除盖体及内胆后的示意图。

[0025] 图8是图7所示的烹饪装置沿VIII-VIII'线剖开的示意图。

[0026] 图9是本发明第三实施例的烹饪装置的控制模块的连接框图。

具体实施方式

[0027] 下面将结合附图及实施例对本发明的烹饪装置及烹饪方法作进一步的详细说明。

[0028] 请参见图1-图4，本发明实施例的烹饪装置10包括壳体11、底座12、内胆13、盖体14、加热模块15、控制模块16及排气模块18。壳体11设于底座12上。壳体11内具有容纳腔112。内胆13位于容纳腔112内。控制模块16包括处理器162及与处理器162相连的输入面板164。加热模块15位于容纳腔112内且包括多个相互独立的底部加热单元152、154及156。底部加热单元152、154及156分别与处理器162连接。内胆13有多个，其设于容纳腔112内且与预定的底部加热单元152、154及156相对应。盖体14设于壳体11上且与容纳腔112的开口相配合。盖体14具有内表面142、与内表面142相对的外表面144及透明视窗146。排气模块18可与处理器162相连。排气模块18包括充气元件181、进气通道182、抽气元件184及排气通道186。进气通道182位于盖体14上。充气元件181位于进气通道182上，且充气元件181具有用于向内胆13中快速喷气的高压气体储藏腔1812。抽气元件184与处理器162相连。抽气元件184位于排气通道186上，且抽气元件184具有用于快速抽气的真空腔1842。透明视窗146可用于观看内胆13内的雾气或油烟情况。抽气元件184用于在打开盖体14前抽出位于内胆13内的雾气或油烟且可在盖体14打开后继续运行。

[0029] 具体在本实施例中，壳体11的容纳腔112的被分隔成数量与底部加热单元152、154及156的数量想对应的子容纳腔，即在壳体11中有三个子容纳腔，每个子容纳腔内都包含有一个底部加热单元。子容纳腔的数量是可以根据实际设计时的需求来设定的，其可对应不同规格的内胆13，从而满足更多的需求。可以理解，每个子容纳腔内也可以对应多个底部加热单元，以使得对应于内胆13的加热可以设计更多的加热控制方案。

[0030] 容纳腔112可以通过可拆卸的间隔壁114来分隔形成子容纳腔。间隔壁114可以通过壳体11的内壁及底座12来固定；详细来说，可以在壳体11的内壁设置相应的侧边固定槽(图未示)，在底座12的上表面设置底边固定槽(图未示)，来共同固定间隔壁114。请参见图5与图6，在使用的过程中，通过间隔壁114的安装或移除可以放入不同规格的内胆，从而满足更多的使用需求。例如在图5中，通过移除一个间隔壁114，使得子容纳腔扩大一倍，这时可放入内胆132，以便于烹饪更大量的食物；在图6中，通过移除所有的间隔壁114，使得子容纳腔变为最大的容纳腔112，这时可放入内胆134。从图1、图5与图6中可以看出，烹饪装置10通过安装可拆卸的间隔壁114，可便于让烹饪装置10实现不同的烹饪功能，例如在图1中，在具有三个子容纳腔时，烹饪装置10可以同时烹饪三种食物，烹饪菜式最多样，满足使用者不同的营养和口味需求；在图5中，具有一大一小两个子容纳腔，烹饪装置10可以同时烹饪两种食物，例如较大的子容纳腔用于炖汤而较小的子容纳腔用于煮菜；在图6中，烹饪装置10可放入最大的内胆134，其例如用于炖汤或煮粥等。

[0031] 请参见图1与图3，盖体14具有内表面142及与内表面142相对的外表面144。在本实施例中，与子容纳腔的开口相对应地，在盖体14的内表面142上设有与密封单元148。密封单

元有三组，第一组密封单元1482用于与最小的内胆13或子容纳腔开口相对应，第二组密封单元1484用于与中号的内胆132或子容纳腔开口相对应，第三组密封单元1486用于与最大的内胆134或容纳腔开口相对应。密封单元148可用于密封放入对应的容纳腔或子容纳腔中的内胆。每个密封单元148与对应子容纳腔之间最好设置定位结构，以使得密封单元148在密封对应内胆13时可以具有较好的密封效果。若根据烹饪要求来设计密封单元148，当烹饪装置10仅设计为常压烹饪功能时，密封单元148主要用于是阻止烹饪时的部分散热问题及防止内胆13之间烹饪的菜式相互影响，这时对密封单元148的结构要求可以是密封单元148外周尺寸大于内胆13开口尺寸，即密封单元148可以覆盖内胆13开口，从而在不增加结构复杂程度的前提下，尽量减少散热及降低各个内胆13之间的在烹饪过程的互相影响。

[0032] 请参加图1与图4，控制模块16的处理器162可以设置在壳体11或底座12内，而输入面板164可以设置在壳体11的表面116上。其中，输入面板164可包括触控面板或声控单元，其上还可以设有显示屏，其作用主要是作为人工输入命令的界面。使用时，使用者可以通过输入面板164输入所需控制命令，处理器162则根据控制命令分别控制底部加热单元152、154及156，从而使相应放在底部加热单元152、154及156上的内胆13可以进行相同的或不同的加热过程，进而让使用者可以在一个烹饪装置10中同时烹饪多种菜式，提升烹饪的速度及使用的方便性。

[0033] 在本实施例中，与子容纳腔的开口相对应地，在盖体14上设有透明视窗146，即使得容纳腔112中放入不同的内胆13时，每个内胆13都可以对应至少一个透明视窗146，从而让使用者可以看到内胆13中的烹饪的一些情况。进气通道182具有进气喷嘴1822，进气喷嘴1822设于内表面142上，且进气喷嘴1822的数量与底部加热单元底部加热单元的数量相对应，即内胆13上方都对应配合有至少一个进气喷嘴1822。进气喷嘴1822可为可转动的喷嘴，即其可以利用充气元件中气流的冲击力，让进气喷嘴1822自动改变方向，从而让气体可以喷到内胆中不同的位置。充气元件181位于进气通道182上，具有用于向内胆13中快速喷气的高压气体储藏腔1812。高压气体储藏腔1812可用于在内胆13中的菜式需要急冷或爆炒时，可以快速释放高压气体储藏腔1812气体，从而让外部空气更快的与内胆13中的菜式接触。抽气元件184可以设置在壳体11或盖体14内，本实施例中是在壳体11内。排气通道186可以设置在壳体11或盖体14内，本实施例中是在壳体11内。本实施例中排气通道186具有排气口1862，排气口1862位于盖体14侧壁上。抽气元件184的真空腔1842，可以在需要时较快的排出蒸汽或其他油烟，由于真空腔1842的存在，抽气元件184不需要等风扇的运转就可以因为压差的存在，先让内胆13中的蒸汽或其他油烟部分快速排出，此时启动的风扇也可以开始起到作用排气的作用，因此可以减少使用者开盖过程等待的时间，提升使用的便利性。总的来说，烹饪时，通过抽气元件184的运转，外部的空气进入内胆13，内胆13中的雾气、蒸汽或其他油烟则进入排气通道186，并从排气口1862排出。由于烹饪装置10加入了排气模块18，使得烹饪装置10在烹饪食物时候，可根据烹饪食物的需要，将食物加热所产生的蒸汽实时排出，防止食物过熟或焖烂；并且在内部的蒸汽排出时，还引入了外部空气，在一些需要氧化或新鲜空气的菜式烹饪上，这些外部空气还可让烹饪的菜肴更具营养、更健康或更美观；更特别的是，在需要打开盖体14时，可通过透明视窗146事先观察，然后判断是否需要先将食物加热所产生的雾气或其他油烟排出，这样打开盖体14的时候就不会有朝使用者“扑面而来”的蒸汽/气体，因此可以方便使用者对烹饪装置10的使用，并保护使用者的健康。进

一步，排气模块18可以将烹饪时产生的蒸汽直接排出到下水道或者户外，这样可以减少厨房中的油烟，从而有利于改善烹饪环境，防止油烟对人体健康的影响及对厨房的污染。此外，可通过设置抽气元件184的开启设计，使得打开盖体14前，抽气元件184在抽完该内胆内的雾气或油烟后，还继续运行使内胆13内的气压大于或等于外部环境的气压。内胆13内的气压大于或等于外部环境的气压可以便于盖体14的开启。

[0034] 上述烹饪装置10包括可以独立控制的多个底部加热单元152、154及156，底部加热单元152、154及156对应的子容纳腔内可放置不同的内胆，且在盖体14上对应于每个子容纳腔可设计有预定的密封结构，使得烹饪装置10可以同时烹饪多种食物或菜式，且相互之间不会影响(例如不同的菜式之间发生串味)。特别的是，烹饪装置10采用一体设计，有别于现有技术中采用多个独立烹饪设置之间的串联或单个加热器同时加热不同的内胆，烹饪装置10即可以实现底部加热单元152、154及156之间分别加热，还可使结构上更加的紧凑，从而更便于满足人们生活中不同的烹饪需求以及降低能耗。进一步，排气模块18可以排出烹饪时产生的雾气或其他油烟排出，可防止油烟对人体健康的影响及对厨房的污染。

[0035] 请参见图7与图8，所示为本发明第二实施例的烹饪装置。第二实施例的烹饪装置与烹饪装置10相似，包括加热模块25，加热模块25位于容纳腔内且包括多个相互独立的底部加热单元252、254及256；特别地，在本实施例中，加热模块25还包括第二加热单元257与第三加热单元258，底座22的中部设有连接电极222，并且在间隔壁214上还设有温度感测器27。第二加热单元257与第三加热单元258分别与控制模块的处理器相连。第二加热单元257设置在间隔壁214上，且位于间隔壁214中部靠下的位置上。连接电极222与第二加热单元257电连接，其可通过在间隔壁214内部设置导线且在间隔壁214固定时与连接电极222建立连通。第三加热单元258设置在壳体21的内壁上，且与子容纳腔相对应，本实施例中至少有三个第三加热单元258。温度感测器27设置在间隔壁214上以及壳体21的内壁上，且温度感测器27与控制模块的处理器相连，其用于感测烹饪过程中内胆的温度信息，并将温度信息传送给处理器。在本实施例中，在间隔壁214上以及壳体21的内壁上设置有第二加热单元257与第三加热单元258，因此在烹饪时可以从内胆的侧面对内胆进行加热，从而有利于提升加热的均匀性；特别的是，各个间隔壁214上均设置有第二加热单元257，使得各个子容纳腔之间的温度控制变得更加准确。温度感测器27设置在底部加热单元与第二加热单元257中间的位置，以及设置在底部加热单元与第三加热单元258中间的位置；通过在间隔壁214上以及壳体21的内壁上设置温度感测器27，使得烹饪时，温度感测器27还可以感测内胆侧壁的温度，从而可更加全面的监测到烹饪时内胆各处的温度，让烹饪时的温度控制变得更加准确，进而可以防止烹饪时食物不熟或过熟的情况发生。

[0036] 请参见图9，所示为本发明第三实施例的烹饪装置。第三实施例的烹饪装置与烹饪装置10相似，第三实施例的烹饪装置包括加热模块35、控制模块36、感测模块370、排气模块38及冷却模块39。其中，加热模块35具有多个独立的底部加热单元。控制模块36包括处理器362、输入面板364及无线单元366，处理器362分别与输入面板364及无线单元366相连。输入面板364及无线单元366可用作信息输入设备，为烹饪装置输入控制命令。例如，输入面板364上可设置触控或声控单元，从而通过触控或声控的方式输入烹饪命令；无线单元366可与便携式电子装置(例如手机、笔记本或平板电脑等)之间进行信息交互，从而可将外部的控制命令通过便携式电子装置输入烹饪装置，或者将烹饪装置中的所形成的烹饪参数传输

给便携式电子装置。感测模块370与控制模块36的控制器362相连。感测模块370可包括温度感测器37、图像感测器372及压力感测器374。温度感测器37可设置在烹饪装置的底座、壳体内壁或间隔壁上，图像感测器372与压力感测器可设置在烹饪装置的盖体上。排气模块38与冷却模块39也分别与控制模块36的控制器362。排气模块38的进气喷嘴可设置在盖体上。冷却模块39可以设置在烹饪装置的底座、壳体内壁、间隔壁或盖体上，较佳的是设置在盖体上。由于设置有图像感测器372与排气模块38，在烹饪时就可以记录烹饪过程的图像或影像，从而让烹饪过程的记录更加直观，并且因为排气模块38可以将烹饪时食物所产生的气体排出，从而可以让图像感测器372更加清晰的拍摄到图片或影像，举例来说，在开启图像感测器372之前，可以先通过排气模块38先将内胆中的蒸汽排出，甚至通过抽气元件还可将内胆中的气体压力排到略低于大气压，从而确保图像感测器372拍摄到清晰的图片或影像且还可以尽量避免图像感测器372被食物所产生的蒸汽污染。通过设置无线单元366来做为输入及输出设备，还可以设计使烹饪装置通过感测模块370记录烹饪过程的烹饪参数，并通过处理器362及无线单元366传送出去；也可以通过无线单元366接收来至便携式电子装置的控制命令，让烹饪装置实现更加智能的自动烹饪的功能。通过设置冷却模块39，可以使得烹饪装置烹饪出更多口味的食物，例如在有些需要骤冷的菜式中，可以通过冷却模块来实现内胆的骤冷，从而烹饪出更加美味的食物来。

[0037] 以上所述，仅是本发明的较佳实施例而已，并非对本发明作任何形式上的限制，虽然本发明已以较佳实施例揭露如上，然而并非用以限定本发明，任何熟悉本专业的技术人员，在不脱离本发明技术方案范围内，当可利用上述揭示的技术内容做出些许更动或修饰为等同变化的等效实施例，但凡是未脱离本发明技术方案内容，依据本发明的技术实质对以上实施例所作的任何简单修改、等同变化与修饰，均仍属于本发明技术方案的范围内。

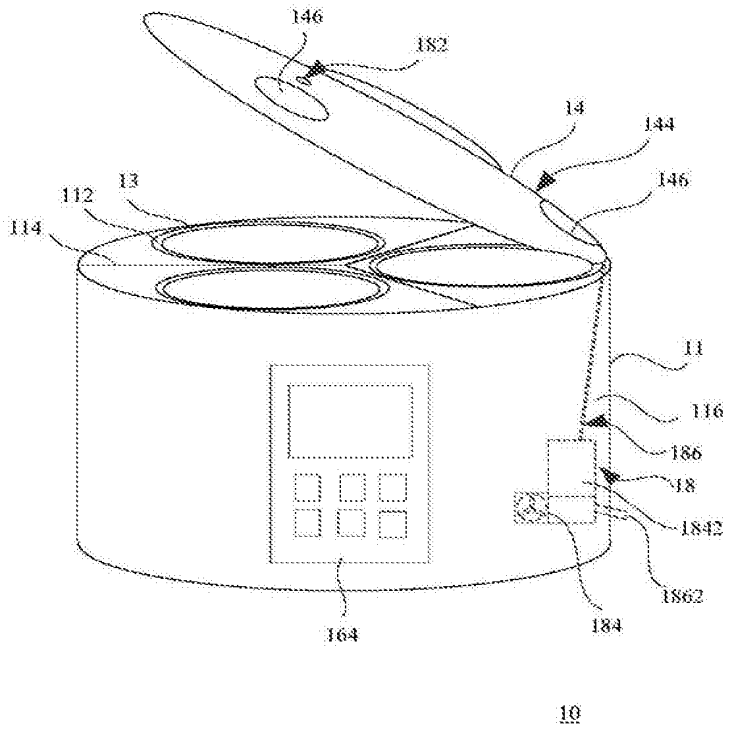

146
182
14
144
146
112
13
114
11
116
186
18
1842
1862
184
164
10

图1

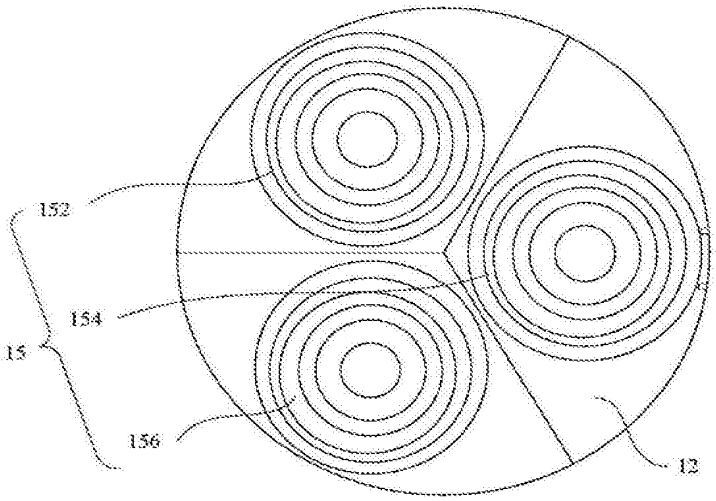

152
154
15
156
12

图2

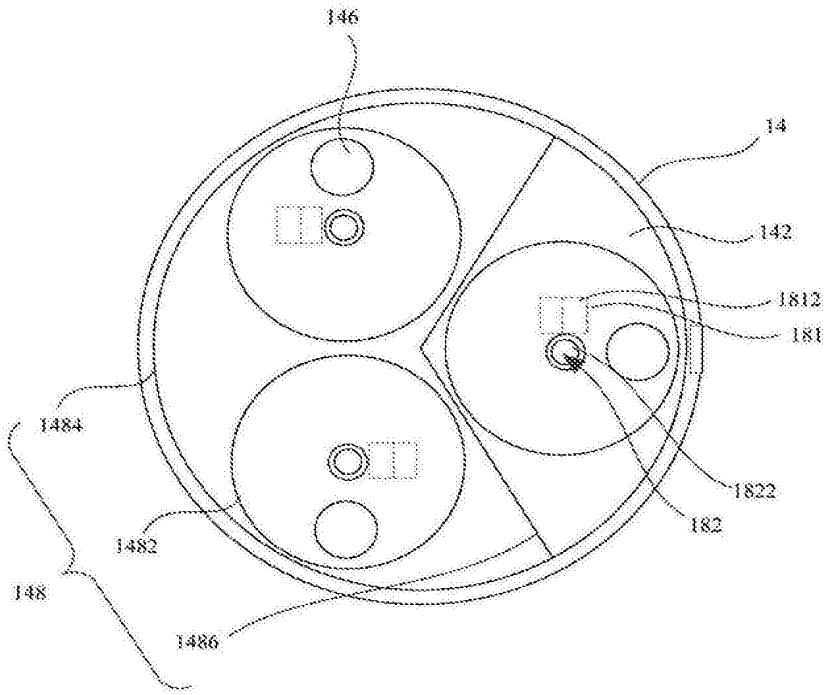

146
14
142
1812
181
1484
1822
182
1482
148
1486

图3

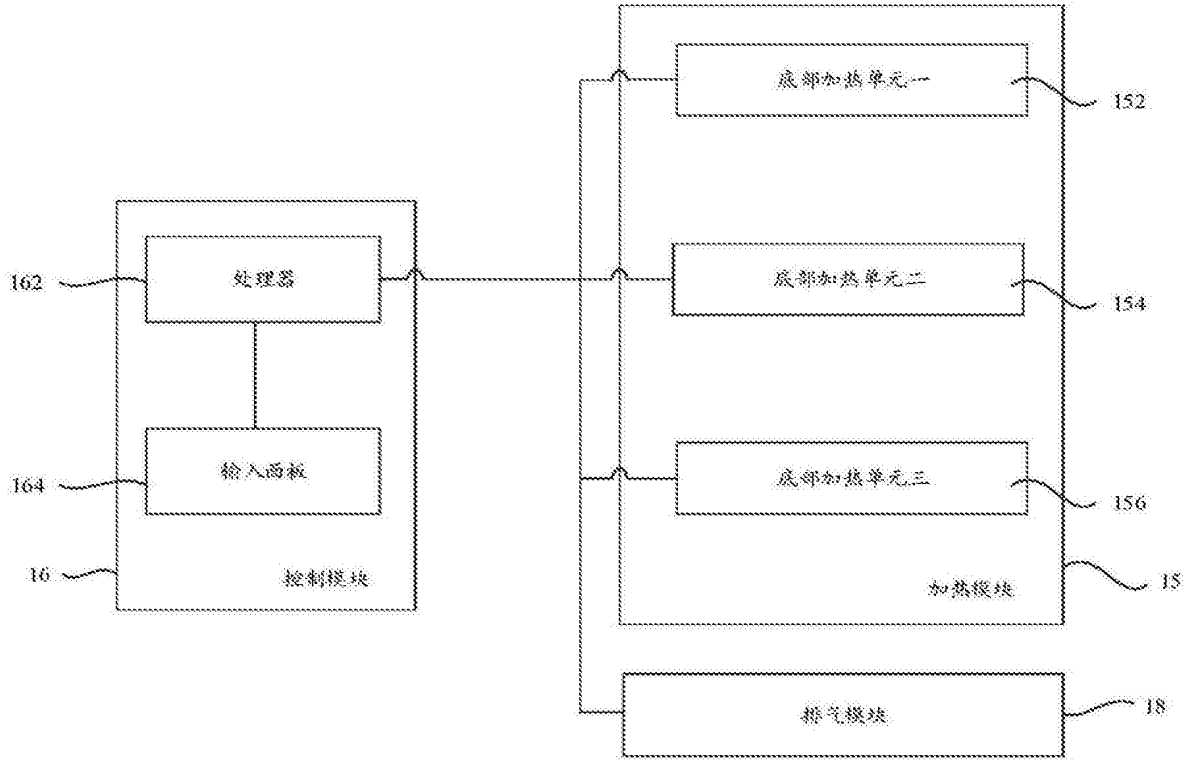

底部加热单元一
152
162
处理器
底部加热单元二
154
164
输入面板
底部加热单元三
156
16
控制模块
加热模块
15
排气模块
18

图4

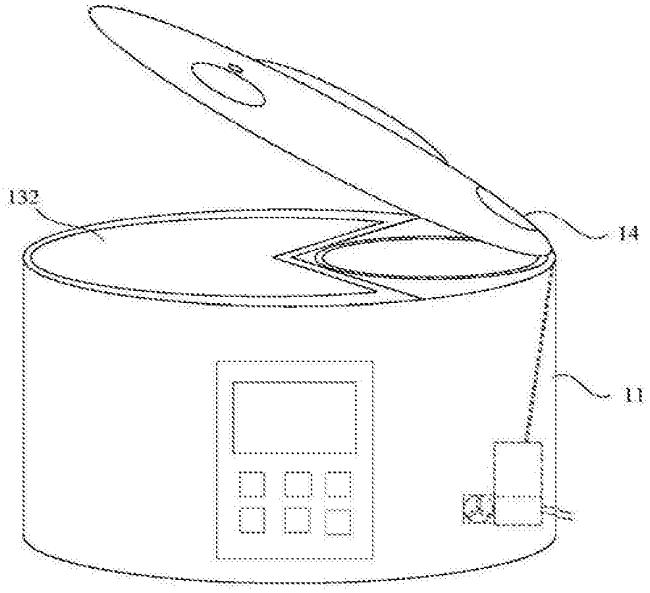


图5

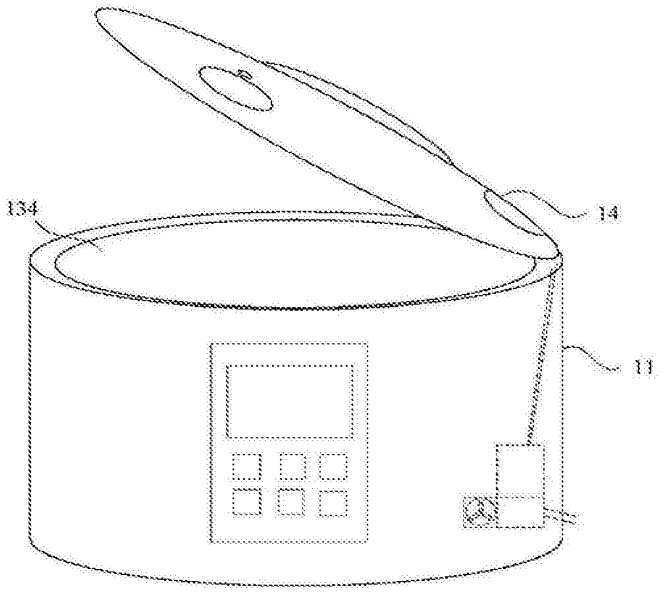


图6

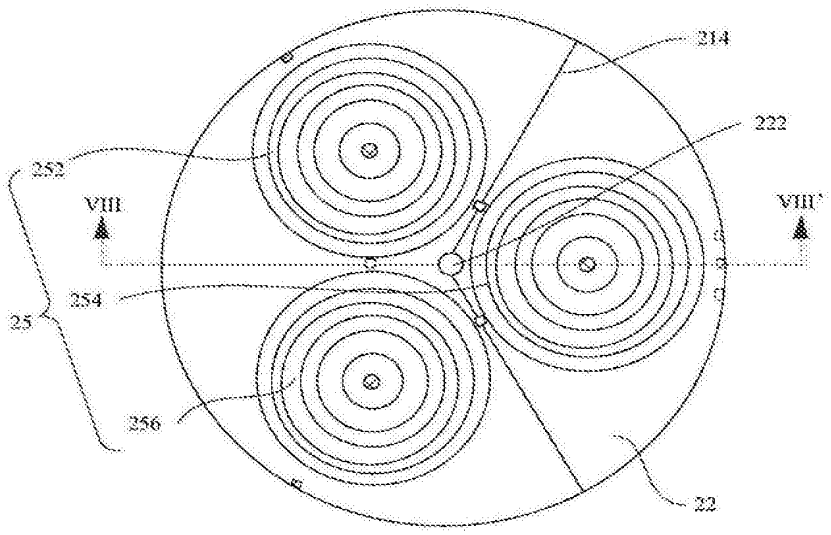

214
222
252
VIII
VIII'
254
25
256
22

图7

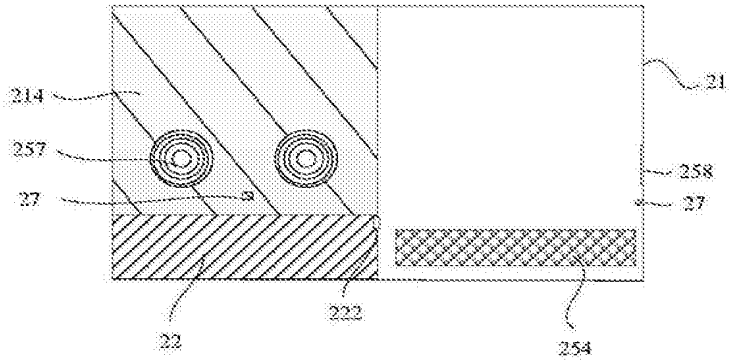

214
257
27
21
258
27
22
222
254

图8

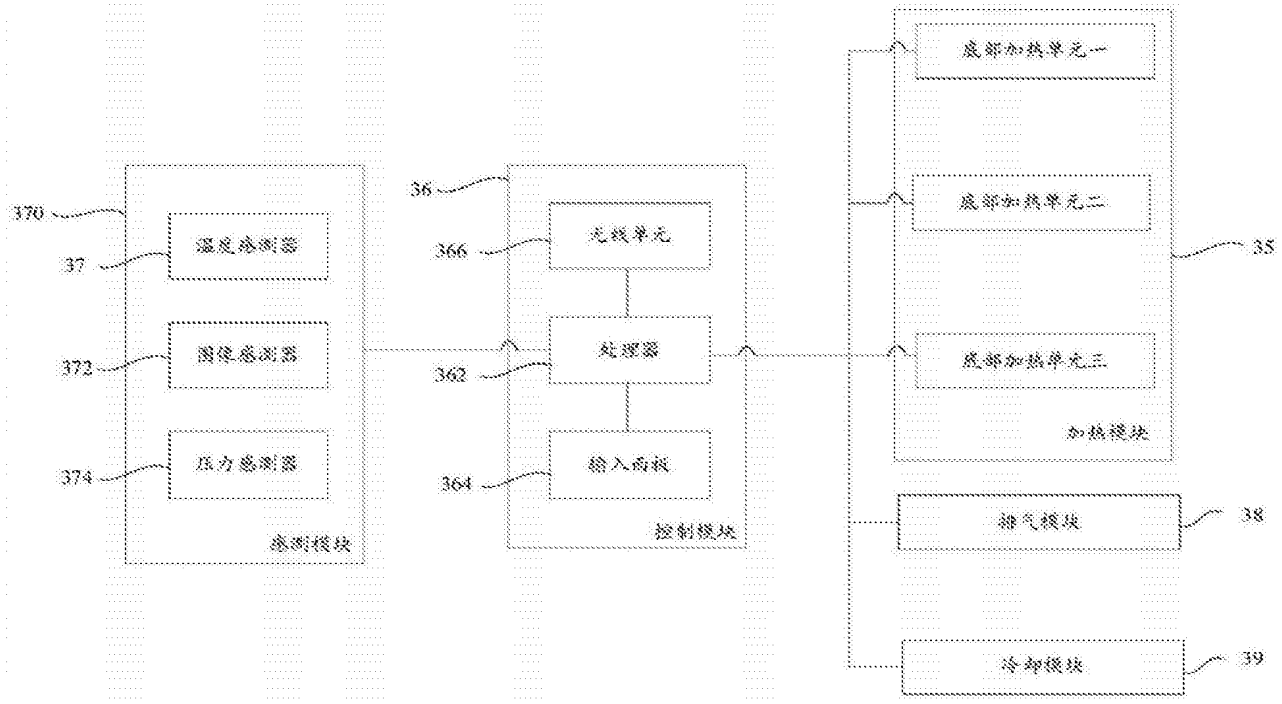

370
温度感测器
37
372
图像感测器
374
压力感测器
感测模块
36
366
无线单元
362
处理器
364
输入面板
控制模块
底部加热单元一
底部加热单元二
底部加热单元三
35
加热模块
38
排气模块
39
冷却模块

图9

Espacenet

CN205849310U Electric oven

Applicants: LIU JIANCHANG

Inventors: LIU JIANCHANG

Classifications:
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Electric oven

Abstract

The utility model discloses an electric oven, including the furnace body, be equipped with two baking chamber in the furnace body at least, the furnace body front side corresponds every baking chamber and is equipped with the pull mouth, is equipped with the overware that can follow the pull mouth and take out in the baking chamber, and the inherent overware top of baking chamber is equipped with a heating device, is equipped with the 2nd heating device below the overware, and the heating device electricity in every baking chamber is connected with control switch, the furnace body top is equipped with roast board in advance, and the furnace body inherence is corresponding the 3rd heating device that is equipped with in roast board below in advance. The utility model discloses in every baking chamber all can carry out toasting of food alone, can choose for use the baking chamber of suitable quantity to toast according to passenger flow volume during the use to the adjustment baking guarantees that food both can satisfy the supply, prevents again that processing is excessive. The furnace body top is equipped with roast board in advance, and the furnace body inherence is corresponding the 3rd heating device that is equipped with in roast board below in advance, can carry out the priliminary drying to food and bake.

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(12)实用新型专利

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(51)Int.Cl.
A47J 37/06(2006.01)

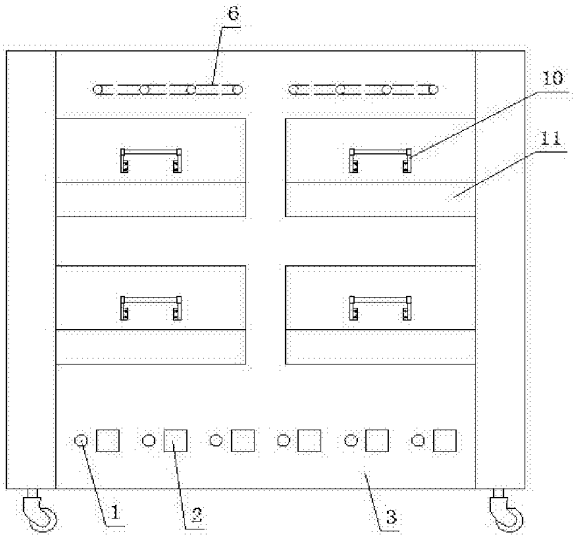
权利要求书1页 说明书3页 附图3页

(54)实用新型名称

电烤炉

(57)摘要

本实用新型公开了一种电烤炉，包括炉体，炉体内至少设有两个烘烤腔，炉体前侧对应每个烘烤腔设有抽拉口，烘烤腔内设有可从抽拉口抽出的烤盘，烘烤腔内在烤盘上方设有第一加热装置、在烤盘下方设有第二加热装置，每个烘烤腔内的加热装置电连接有控制开关；炉体顶部设有预烤板，炉体内在预烤板下方对应设有第三加热装置。本实用新型中每个烘烤腔均可单独进行食品的烘烤，使用时可根据客流量选用合适数量的烘烤腔进行烘烤，从而调整烘烤量，保证食品既可满足供应，又防止加工过量。炉体顶部设有预烤板，炉体内在预烤板下方对应设有第三加热装置，可以对食品进行预烘烤。



CN 205849310 U

1.一种电烤炉，包括炉体(3)，其特征是所述炉体内至少设有两个烘烤腔，所述炉体前侧对应每个烘烤腔设有抽拉口，所述烘烤腔内设有可从抽拉口抽出的烤盘(7)，所述烘烤腔内在烤盘(7)上方设有第一加热装置(4)、在烤盘(7)下方设有第二加热装置(5)，每个烘烤腔内的加热装置电连接有控制开关；所述炉体顶部设有预烤板，所述炉体内在预烤板下方对应设有第三加热装置(6)。

2.根据权利要求1所述的电烤炉，其特征是所述烘烤腔内的第一加热装置(4)和第二加热装置(5)串联设置，所述炉体前侧设有控制开关，所述控制开关电连接在第一加热装置(4)和第二加热装置(5)的供电回路上，所述烘烤腔内设有温度传感器，温度传感器电连接有温度显示装置，所述温度显示装置安装在炉体前侧，所述温度传感器还电连接有温控开关，所述温控开关电连接在第一加热装置(4)和第二加热装置(5)的供电回路上。

3.根据权利要求1所述的电烤炉，其特征是所述炉体内在预烤板下方设有温度传感器，温度传感器电连接有温度显示装置，所述温度显示装置安装在炉体前侧，所述温度传感器还电连接有温控开关，所述温控开关电连接在第三加热装置(6)的供电回路上。

4.根据权利要求1所述的电烤炉，其特征是所述第一加热装置(4)和第二加热装置(5)均为电热管。

5.根据权利要求1所述的电烤炉，其特征是所述第三加热装置(6)包括两根电热管，两根电热管分设在炉体的左右两侧并分别电连接有控制开关。

6.根据权利要求1所述的电烤炉，其特征是所述烤盘(7)包括多条沿左右方向间隔设置的支撑条，支撑条的前端固接在上封板上，支撑条的后端通过横向设置的连接杆连接，所述上封板的前侧设有把手，所述烘烤腔内在第二加热装置(5)下方设有接油盘(8)，所述接油盘(8)的前端固接在下封板(11)上，所述下封板和上封板共同将抽拉口封闭。

7.根据权利要求1至6中任一项所述的电烤炉，其特征是所述炉体内设有四个烘烤腔，其中两个烘烤腔设置在炉体左侧并上下对应设置，另外两个烘烤腔设置在炉体右侧并上下对应设置。

8.根据权利要求7所述的电烤炉，其特征是位于同侧的两个烘烤腔沿前后方向的长度一致。

9.根据权利要求1至6中任一项所述的电烤炉，其特征是所述炉体内设有两个烘烤腔，两个烘烤腔左右对称设置。

10.根据权利要求9所述的电烤炉，其特征是所述炉体在烘烤腔下方设有存储腔，所述炉体前侧对应存储腔设有开口并对应开口设有可将开口封闭的箱门(9)。

电烤炉

技术领域

[0001] 本实用新型涉及一种电烤炉。

背景技术

[0002] 市面上的电烤炉一般只有一个烘烤腔，烘烤腔内放置多个烘烤盘，此种电烤炉可一次性制作较多食品，适应于客流量较大的食品店，但是部分食品店的客流量不稳定，客流量时大时小，若一次性烤制较多食品，未在较短时间内卖完，其口味会变差，口味变差后卖给食客，会影响食品店的回头率，若剩下的食品不卖，又会严重亏本，影响食品店的盈利。而用较小的电烤炉，一次性烤制量小，耗电低，可在较短时间内卖完，但是当客流量大时，其供不应求，顾客等待时间延长，顾客流失的可能性增大。

发明内容

[0003] 本实用新型要解决的技术问题是提供一种可调节烘烤量的电烤炉。

[0004] 为解决上述技术问题，本实用新型包括炉体，其结构特点是所述炉体内至少设有两个烘烤腔，所述炉体前侧对应每个烘烤腔设有抽拉口，所述烘烤腔内设有可从抽拉口抽出的烤盘，所述烘烤腔内在烤盘上方设有第一加热装置、在烤盘下方设有第二加热装置，每个烘烤腔内的加热装置电连接有控制开关；所述炉体顶部设有预烤板，所述炉体内在预烤板下方对应设有第三加热装置。

[0005] 所述烘烤腔内的第一加热装置和第二加热装置串联设置，所述炉体前侧设有控制开关，所述控制开关电连接在第一加热装置和第二加热装置的供电回路上，所述烘烤腔内设有温度传感器，温度传感器电连接有温度显示装置，所述温度显示装置安装在炉体前侧，所述温度传感器还电连接有温控开关，所述温控开关电连接在第一加热装置和第二加热装置的供电回路上。

[0006] 所述炉体内在预烤板下方设有温度传感器，温度传感器电连接有温度显示装置，所述温度显示装置安装在炉体前侧，所述温度传感器还电连接有温控开关，所述温控开关电连接在第三加热装置的供电回路上。

[0007] 所述第一加热装置和第二加热装置均为电热管。

[0008] 所述第三加热装置包括两根电热管，两根电热管分设在炉体的左右两侧并分别电连接有控制开关。

[0009] 所述烤盘包括多条沿左右方向间隔设置的支撑条，支撑条的前端固接在上封板上，支撑条的后端通过横向设置的连接杆连接，所述上封板的前侧设有把手，所述烘烤腔内在第二加热装置下方设有接油盘，所述接油盘的前端固接在下封板上，所述下封板和上封板共同将抽拉口封闭。

[0010] 所述炉体内设有四个烘烤腔，其中两个烘烤腔设置在炉体左侧并上下对应设置，另外两个烘烤腔设置在炉体右侧并上下对应设置。

[0011] 位于同侧的两个烘烤腔沿前后方向的长度一致。

[0012] 所述炉体内设有两个烘烤腔，两个烘烤腔左右对称设置。

[0013] 所述炉体在烘烤腔下方设有存储腔，所述炉体前侧对应存储腔设有开口并对应开口设有可将开口封闭的箱门。

[0014] 采用上述结构后，本实用新型中炉体内设有多个烘烤腔，烘烤腔内在烤盘上方设有第一加热装置、在烤盘下方设有第二加热装置，每个烘烤腔内的加热装置电连接有控制开关，此种结构的烤炉每个烘烤腔均可单独进行食品的烘烤，使用时可根据客流量选用合适数量的烘烤腔进行烘烤，从而调整烘烤量，保证食品既可满足供应，又防止加工过量。炉体顶部设有预烤板，炉体内在预烤板下方对应设有第三加热装置，可以对食品进行预烘烤。

附图说明

[0015] 下面结合附图及具体实施方式对本实用新型作进一步详细说明：

[0016] 图1为本实用新型第一种实施例的结构示意图；

[0017] 图2为本实用新型第二种实施例的结构示意图；

[0018] 图3为烘烤腔内部的结构示意图；

[0019] 图4为图3沿A-A线剖视的结构示意图。

具体实施方式

[0020] 如图1、图3和图4所示，电烤炉包括炉体3，炉体底面四角设有可锁止的行走轮。炉体顶部设有预烤板，炉体内在预烤板下方对应设有第三加热装置6，本实施例中第三加热装置6包括两根电热管，两根电热管分设在炉体的左右两侧，两根电热管分别电连接有控制开关1，控制开关1设置在炉体前侧下部，每根电热管弯折呈蛇形。炉体内至少设有两个烘烤腔，本实施例中炉体内设有四个烘烤腔，其中两个烘烤腔设置在炉体左侧并上下对应设置，另外两个烘烤腔设置在炉体右侧并上下对应设置，本实施例中位于同侧的两个烘烤腔沿前后方向的长度一致，位于不同侧的烘烤腔长度不一致，使用时可根据烧烤的量选用前后长度合适的烘烤腔加工食品，同时第三加热装置6也可只开启对应侧的电热管，可节约用电量。炉体前侧对应每个烘烤腔设有抽拉口，烘烤腔内设有可从抽拉口抽出的烤盘7，烘烤腔内设有用于对烤盘7支撑并供烤盘7滑动的支撑装置，支撑装置可选用角钢焊接在烘烤腔的腔壁上形成，烘烤腔内在烤盘7上方设有第一加热装置4、在烤盘7下方设有第二加热装置5，本实用新型中第一加热装置4和第二加热装置5均选用价格较低廉、使用效果好的电热管。本实施例中烤盘7包括多条沿左右方向间隔设置的支撑条，支撑条的前端固接在上封板上，支撑条的后端通过横向设置的连接杆连接，连接杆和支撑条可均选用钢条制成，上封板的前侧设有用于抽拉烤盘7的把手10。此种结构的烤盘7，需在其下部设置接油盘8，本实施例中接油盘8设置在第二加热装置5下方，其下表面直接与腔壁的下部接触实现支撑，接油盘8的大小与烤盘7的大小相适应，接油盘8的前端固接在下封板11上，下封板11和上封板共同将抽拉口封闭。前述结构的烤盘7，其上下贯通，烘烤腔内第一加热装置4和第二加热装置5加热后，热量扩散均匀，烘烤出的食品味道更好。本实用新型中烤盘也可直接选用底部由平板支撑的烤盘，选用此种烤盘的烤炉不需再设置接油盘8。

[0021] 本实用新型中为更好的固定电热管，在烘烤腔前侧固装有沿左右方向设置的支撑板12，支撑板12位于电热管的下方，支撑板12上固装有将电热管锁紧的锁紧片13，锁紧片13

的两个自由端分设在电热管两侧并固接在支撑板上，实现对电热管的支撑与固定。

[0022] 如图2所示，为本实用新型的第二种实施例，其与第一种实施例的不同之处在于：炉体内仅设有两个烘烤腔，两个烘烤腔左右对称设置。炉体在烘烤腔下方设有存储腔，炉体前侧对应存储腔设有开口并对应开口设有可将开口封闭的箱门9。此种结构的烤炉适宜客流量较小的食品店。

[0023] 本实用新型中同一个烘烤腔内的第一加热装置4和第二加热装置5串联设置，炉体前侧设有控制开关1，控制开关1电连接在第一加热装置4和第二加热装置5的供电回路上，烘烤腔内设有温度传感器，温度传感器电连接有温度显示装置2，温度显示装置2安装在炉体前侧，所述温度传感器还电连接有温控开关，所述温控开关电连接在第一加热装置4和第二加热装置5的供电回路上。

[0024] 本实用新型中炉体内在预烤板下方左侧和右侧分别设有温度传感器，每个温度传感器电连接有温度显示装置2，温度显示装置2安装在炉体前侧，温度传感器还电连接有温控开关，温控开关电连接在电热管的供电回路上，从而实现两个电热管的单独控制。

[0025] 本实用新型在使用时，当烤制区内的温度达到设定温度后，温控开关切断加热装置的供电回路，加热装置停止加热，当烤制区的温度低于设定值时，温控开关接通加热装置的供电回路，加热装置重新工作，以维持烤制区的温度，使食品在烤制过程中，受热均匀，保证食品风味。使用者可根据烤制的具体情况调整温控开关的设定温度，使火烧烤炉内的温度始终保持在适宜温度。

[0026] 本实用新型中炉体内设有多个烘烤腔，烘烤腔内在烤盘7上方设有第一加热装置4、在烤盘7下方设有第二加热装置5，每个烘烤腔内的加热装置电连接有控制开关1，此种结构的烤炉每个烘烤腔均可单独进行食品的烘烤，使用时可根据客流量选用合适数量的烘烤腔进行烘烤，从而调整烘烤量，保证食品既可满足供应，又防止加工过量。炉体顶部设有预烤板，炉体内在预烤板下方对应设有第三加热装置6，可以对食品进行预烘烤，且第三加热装置6左侧和右侧的电热管可根据下部烘烤腔的工作状态单独开启，更好利用下部烘烤腔辐射出的热量，降低能耗。

[0027] 以上所述仅为本实用新型的优选实施例，并不用于限制本实用新型。前述实施例对本实用新型进行了详细的说明，对于本领域的技术人员来说，其依然可以对前述各实施例所记载的技术方案进行修改，或者对其中部分技术特征进行等同替换。但凡在本实用新型的发明构思范围之内，所做的任何修改、等同替换、改进等，均包含在本实用新型的保护范围之内。

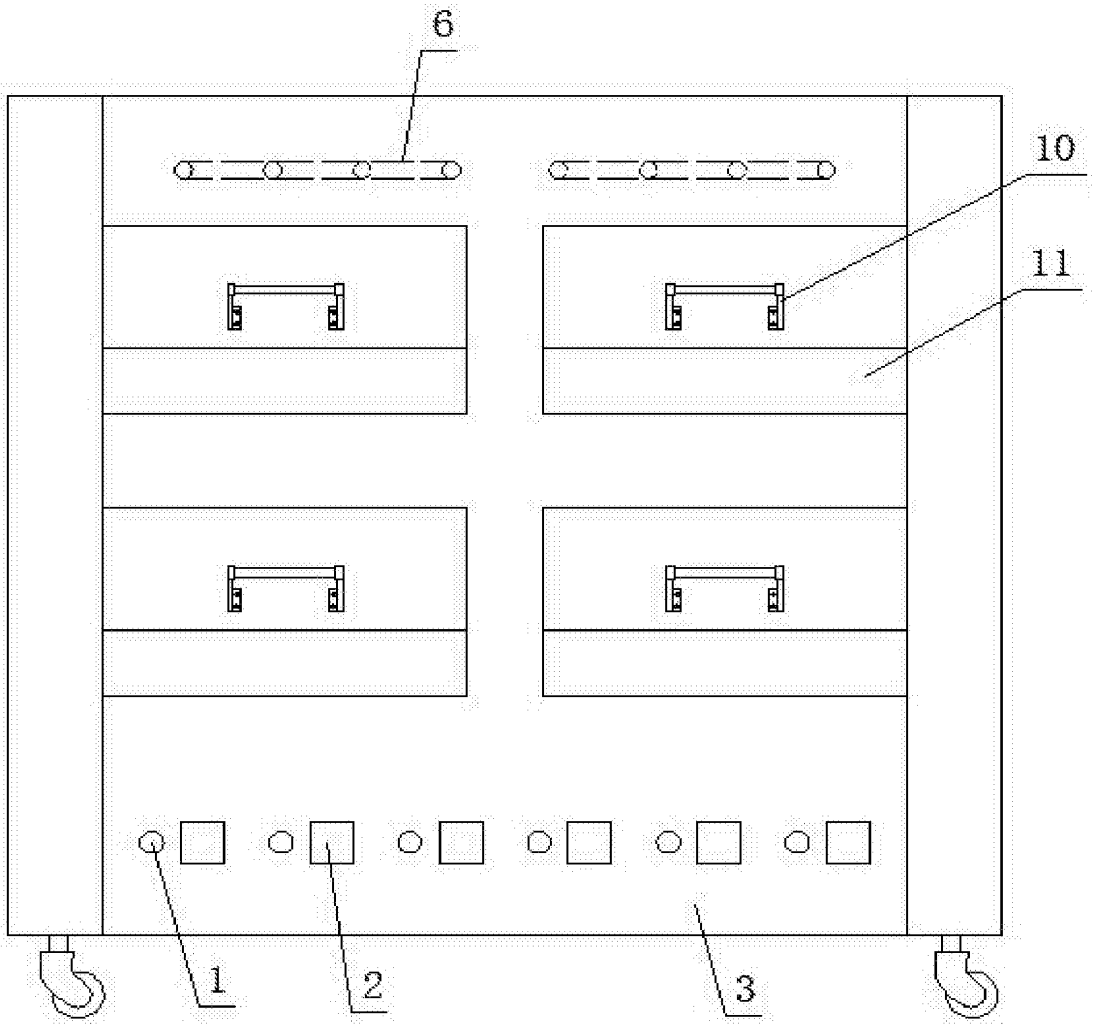


图1

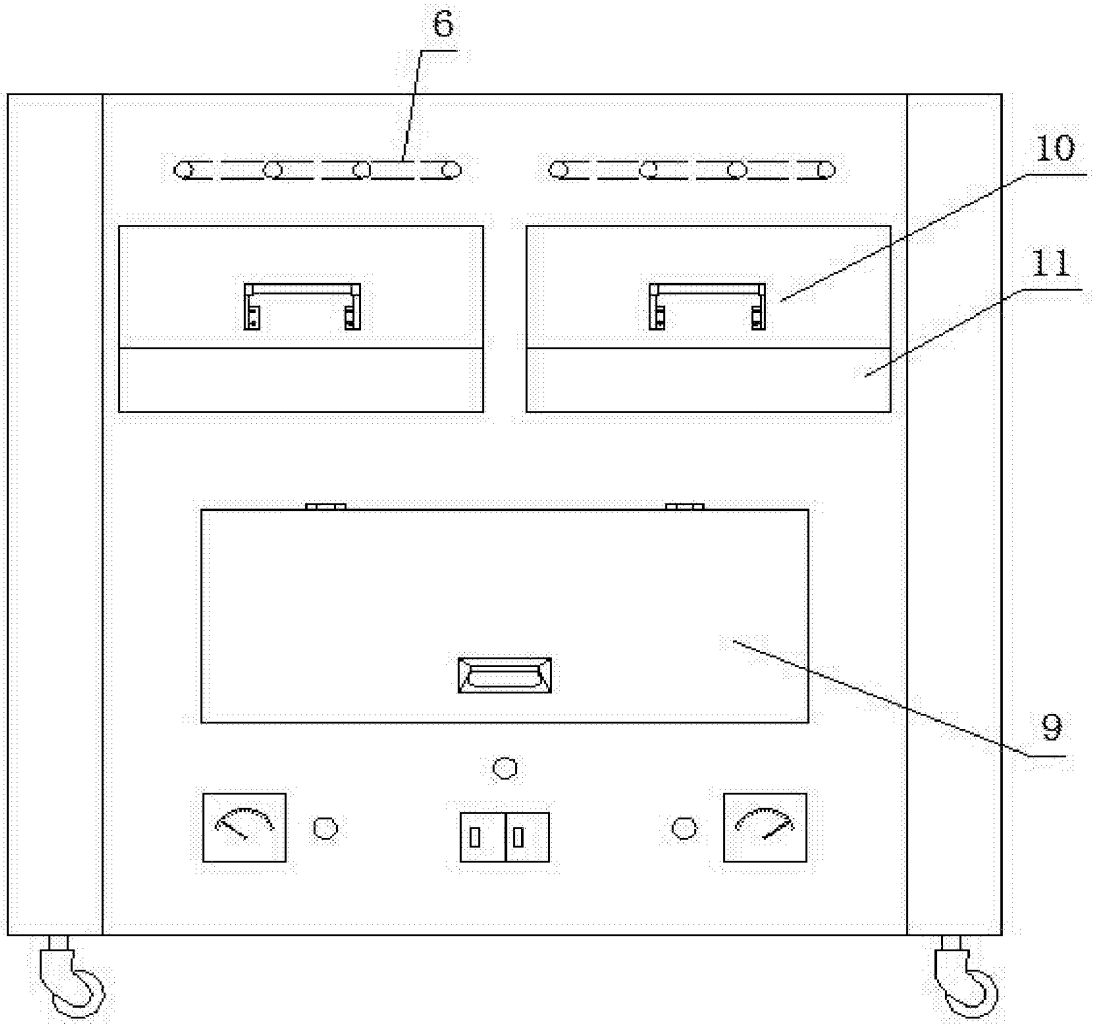


图2

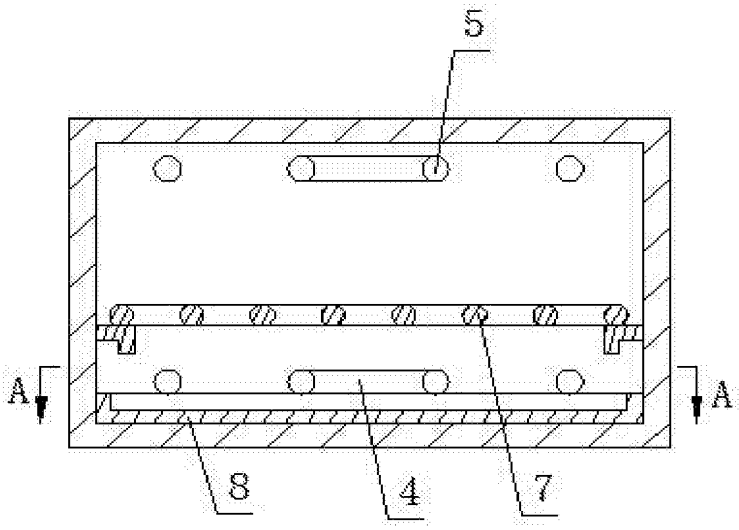


图3

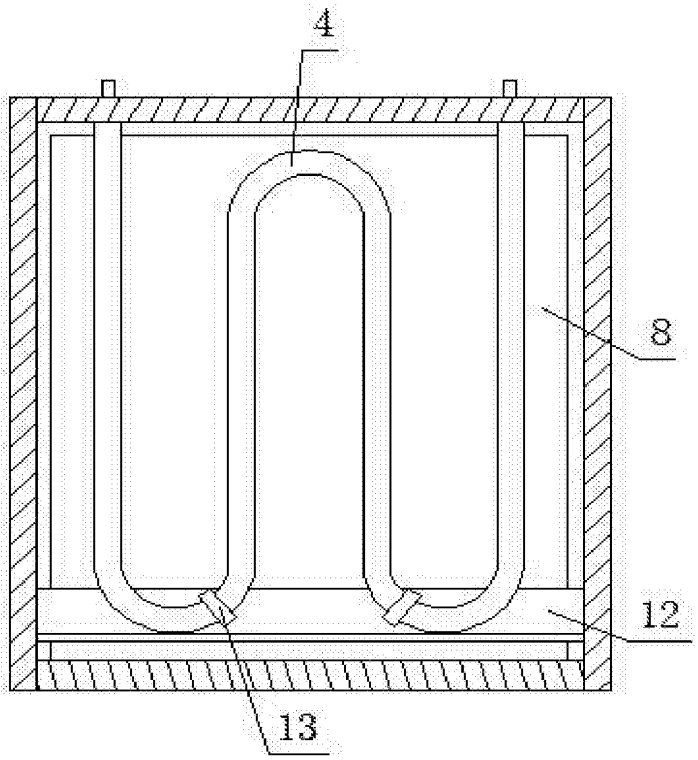


图4

Espacenet

CN206675433U Even cake that is heated toasts equipment

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Even cake that is heated toasts equipment

Abstract

The utility model discloses an even cake that is heated toasts equipment, including box, furnace gate, controlling means and universal wheel, box and furnace gate swing joint, the box surface is equipped with controlling means, the furnace gate surface is equipped with heat -resisting tempering glass window and handle, and the handle is located heat -resisting tempering glass window top, the controlling means surface is equipped with thermoregulator and timer, and the thermoregulator is located the timer top. The utility model discloses a two piece upper and lower heating pipes can make thermally equivalent about the material, when starting, upper and lower heating pipe concurrent heating, the fan starts simultaneously, the hot -air pass through the furnace gate about from top to bottom the inner wall rebound in proper order, intracavity circulation including all the time, the messenger is heated more evenly, has reduced thermal loss simultaneously, the side is equipped with nylon matter tool bag, and the instrument can convenient and fast when using takes out the use to categorised income that can be convenient, though the universal wheel equipment of bottom heavier also can make things convenient for laborsaving with its removal.

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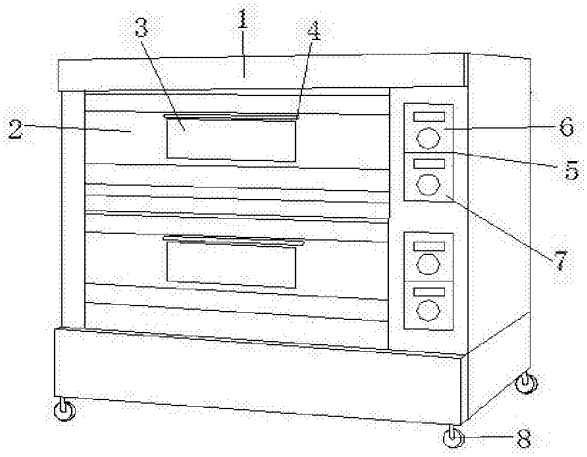
权利要求书1页 说明书2页 附图2页

(54)实用新型名称

一种受热均匀的糕点烘烤设备

(57)摘要

本实用新型公开了一种受热均匀的糕点烘烤设备，包括箱体、炉门、控制装置和万向轮，所述箱体和炉门活动连接，所述箱体表面设有控制装置，所述炉门表面设有耐热钢化玻璃窗和把手，且把手位于耐热钢化玻璃窗上方，所述控制装置表面设有调温器和定时器，且调温器位于定时器上方。本实用新型通过上下两根加热管，可以使材料上下均匀受热，当启动时，上下加热管同时加热，风机同时启动，热空气通过炉门上下左右内壁依次反弹，始终在内腔内循环，使受热更为均匀，同时减少了热量的损耗；侧面设有尼龙质工具袋，在使用时工具可以方便快捷的取出使用，并且可以方便的分类收入，底部的万向轮即使设备较重也可以方便省力将其移动。



CN 206675433 U

1.一种受热均匀的糕点烘烤设备，包括箱体(1)、炉门(2)、控制装置(5)和万向轮(8)，其特征在于：所述箱体(1)和炉门(2)活动连接，所述箱体(1)表面设有控制装置(5)，所述炉门(2)表面设有耐热钢化玻璃窗(3)和把手(4)，且把手(4)位于耐热钢化玻璃窗(3)上方，所述控制装置(5)表面设有调温器(6)和定时器(7)，且调温器(6)位于定时器(7)上方，所述箱体(1)内部设有内腔(9)，所述内腔(9)内部顶端设有耐高温照明灯(10)，所述内腔(9)内部设有上加热管(11)和下加热管(14)，且上加热管(11)位于下加热管(14)上方，所述内腔(9)内部设有烤架(13)，且烤架(13)位于上加热管(11)与下加热管(14)之间，所述内腔(9)底端设有烤盘(15)，所述内腔(9)内表面设有风机挡板(12)，所述风机挡板(12)一侧设有风机(17)，所述箱体(1)一侧设有工具袋(16)，所述箱体(1)底端设有万向轮(8)。

2.根据权利要求1所述的一种受热均匀的糕点烘烤设备，其特征在于：所述上加热管(11)和下加热管(14)为石英加热管。

3.根据权利要求1所述的一种受热均匀的糕点烘烤设备，其特征在于：所述烤盘(15)为不锈钢金属烤盘。

4.根据权利要求1所述的一种受热均匀的糕点烘烤设备，其特征在于：所述工具袋(16)为尼龙材质。

5.根据权利要求1所述的一种受热均匀的糕点烘烤设备，其特征在于：所述工具袋(16)数量为若干个。

一种受热均匀的糕点烘烤设备

技术领域

[0001] 本实用新型涉及一种糕点加工技术领域，特别涉及一种受热均匀的糕点烘烤设备。

背景技术

[0002] 糕点制作离不开烘烤，随着社会的发展，在最开始的在外面购买糕点，到现在已经有很多人选择自己制作糕点，烤箱正逐渐走入我们的家庭之中；目前大多数烤箱内部加热管都是设有一个，即使设有两个加热管，在烤制时受热方面还是很不均匀，在烤制时需要经常对材料翻面，很多时候出现一面烤制都已经过火了，另外一面刚刚好，并且一些烤制工具，如模具，防烫手套，金属夹等等这些工具使用时非常凌乱让人手忙脚乱，并且箱体大多比较笨重，移动时非常的费力。为此，我们提出一种受热均匀的糕点烘烤设备。

[0003] 【实用新型内容】

[0004] 本实用新型的主要目的在于提供一种受热均匀的糕点烘烤设备，可以有效解决背景技术中的问题。

[0005] 为实现上述目的，本实用新型采取的技术方案为：

[0006] 一种受热均匀的糕点烘烤设备，包括箱体、炉门、控制装置和万向轮，所述箱体和炉门活动连接，所述箱体表面设有控制装置，所述炉门表面设有耐热钢化玻璃窗和把手，且把手位于耐热钢化玻璃窗上方，所述控制装置表面设有调温器和定时器，且调温器位于定时器上方，所述柜体内部设有内腔，所述内腔内部顶端设有耐高温照明灯，所述内腔内部设有上加热管和下加热管，且上加热管位于下加热管上方，所述内腔内部设有烤架，且烤架位于上加热管与下加热管之间，所述内腔底端设有烤盘，所述内腔内表面设有风机挡板，所述风机挡板一侧设有风机，所述箱体一侧设有工具袋，所述箱体底端设有万向轮。

[0007] 进一步地，所述上加热管和下加热管为石英加热管。

[0008] 进一步地，所述烤盘为不锈钢金属烤盘。

[0009] 进一步地，所述工具袋为尼龙材质。

[0010] 进一步地，所述工具袋数量为若干个。

[0011] 与现有技术相比，本实用新型具有如下有益效果：本实用新型通过上下两根加热管，可以使材料上下均匀受热，当启动时，上下加热管同时加热，风机同时启动，热空气通过炉门上下左右内壁依次反弹，始终在内腔内循环，使受热更为均匀，同时减少了热量的损耗；侧面设有尼龙质工具袋，在使用时工具可以方便快捷的取出使用，并且可以方便的分类收入，底部的万向轮即使设备较重也可以方便省力将其移动。

[0012] 【附图说明】

[0013] 图1为本实用新型一种受热均匀的糕点烘烤设备的整体结构示意图。

[0014] 图2为本实用新型一种受热均匀的糕点烘烤设备的内腔结构示意图。

[0015] 图3为本实用新型一种受热均匀的糕点烘烤设备的侧面结构示意图。

[0016] 图4为本实用新型一种受热均匀的糕点烘烤设备的挡板结构示意图。

[0017] 图中：1、箱体；2、炉门；3、耐热钢化玻璃窗；4、把手；5、控制装置；6、调温器；7、定时器；8、万向轮；9、内腔；10、耐高温照明灯；11、上加热管；12、风机挡板；13、烤架；14、下加热管；15、烤盘；16、工具袋；17、风机。

[0018] 【具体实施方式】

[0019] 为使本实用新型实现的技术手段、创作特征、达成目的与功效易于明白了解，下面结合具体实施方式，进一步阐述本实用新型。

[0020] 如图1-4所示，一种受热均匀的糕点烘烤设备，包括箱体1、炉门2、控制装置5和万向轮8，所述箱体1和炉门2活动连接，所述箱体1表面设有控制装置5，所述炉门2表面设有耐热钢化玻璃窗3和把手4，且把手4位于耐热钢化玻璃窗3上方，所述控制装置5表面设有调温器6和定时器7，且调温器6位于定时器7上方，所述柜体1内部设有内腔9，所述内腔9内部顶端设有耐高温照明灯10，所述内腔9内部设有上加热管11和下加热管14，且上加热管11位于下加热管14上方，所述内腔9内部设有烤架13，且烤架13位于上加热管11与下加热管14之间，所述内腔9底端设有烤盘15，所述内腔9内表面设有风机挡板12，所述风机挡板12一侧设有风机17，所述箱体1一侧设有工具袋16，所述箱体1底端设有万向轮8。

[0021] 本实用新型一种受热均匀的糕点烘烤设备，本实用新型通过上下两根加热管，可以使材料上下均匀受热，当启动时，上下加热管同时加热，风机同时启动，热空气通过炉门上下左右内壁依次反弹，始终在内腔内循环，使受热更为均匀，同时减少了热量的损耗；侧面设有尼龙质工具袋，在使用时工具可以方便快捷的取出使用，并且可以方便的分类收入，底部的万向轮即使设备较重也可以方便省力将其移动。

[0022] 其中，所述上加热管11和下加热管14为石英加热管。

[0023] 其中，所述烤盘15为不锈钢金属烤盘。

[0024] 其中，所述工具袋16为尼龙材质。

[0025] 其中，所述工具袋16数量为若干个。

[0026] 需要说明的是，本实用新型为一种受热均匀的糕点烘烤设备，使用时将材料置于烤架13上，通过调温器6与定时器7调整所需要的烘烤温度与时间，当启动时，上加热管11与下加热管14同时加热，此时风机17同时启动，热空气通过炉门2上下左右内壁依次反弹，始终在内腔9内循环，使材料更为均匀受热并且减少了热能的多余损耗；内腔9底部的烤盘15在不仅可以盛接烤制时材料掉落的油污，残渣等，亦可以在烤制当做托盘，其不锈钢金属材质也会使其受热更快更为均匀。

[0027] 以上显示和描述了本实用新型的基本原理和主要特征和本实用新型的优点。本行业的技术人员应该了解，本实用新型不受上述实施例的限制，上述实施例和说明书中描述的只是说明本实用新型的原理，在不脱离本实用新型精神和范围的前提下，本实用新型还会有各种变化和改进，这些变化和改进都落入要求保护的本实用新型范围内。本实用新型要求保护范围由所附的权利要求书及其等效物界定。

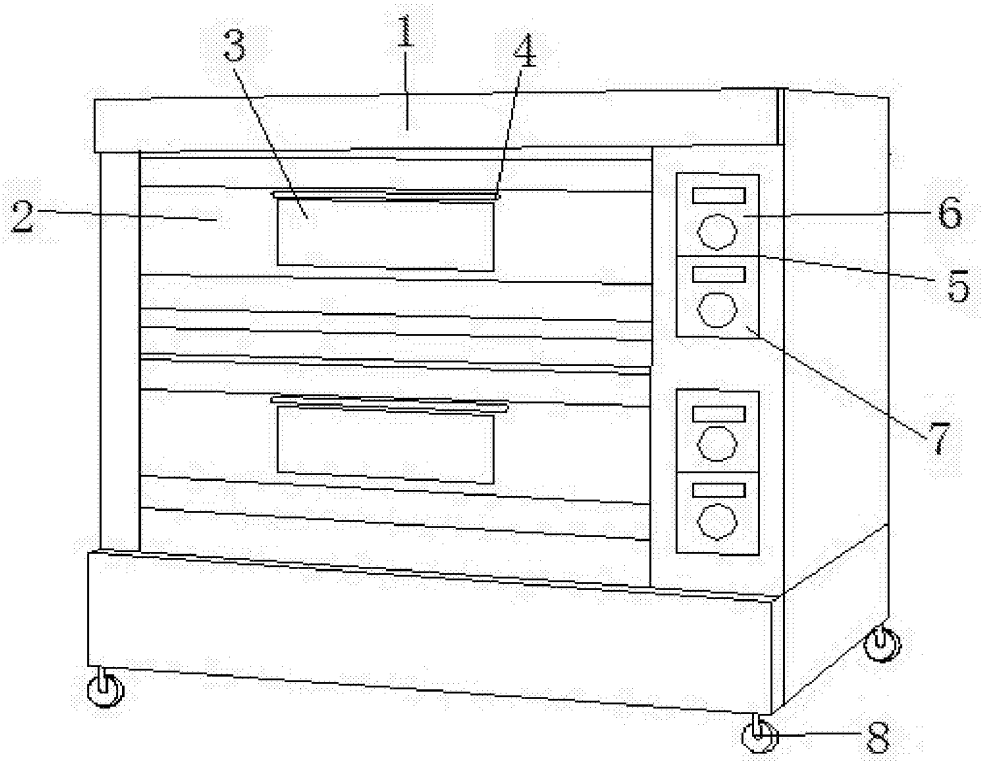


图1

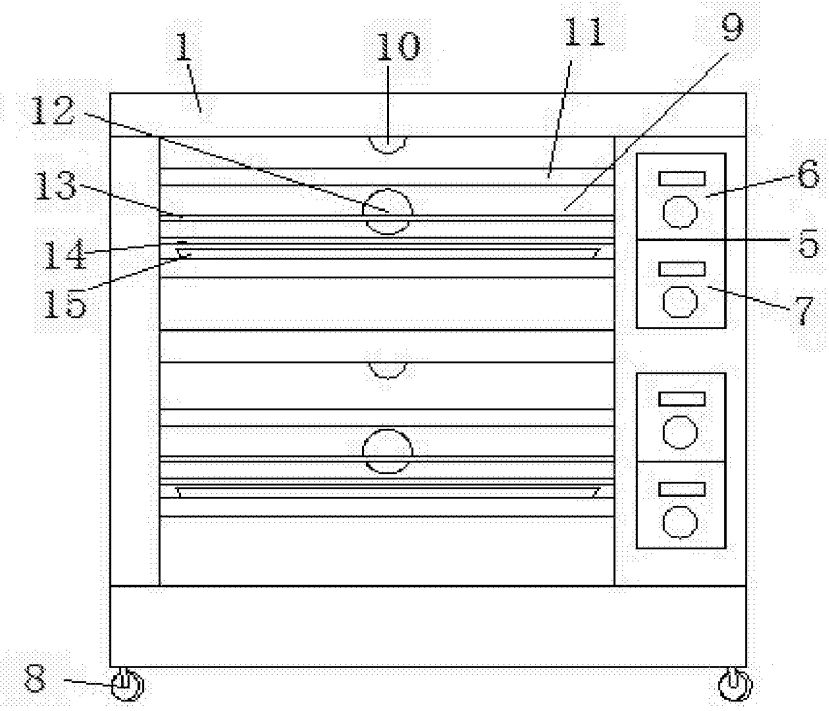


图2

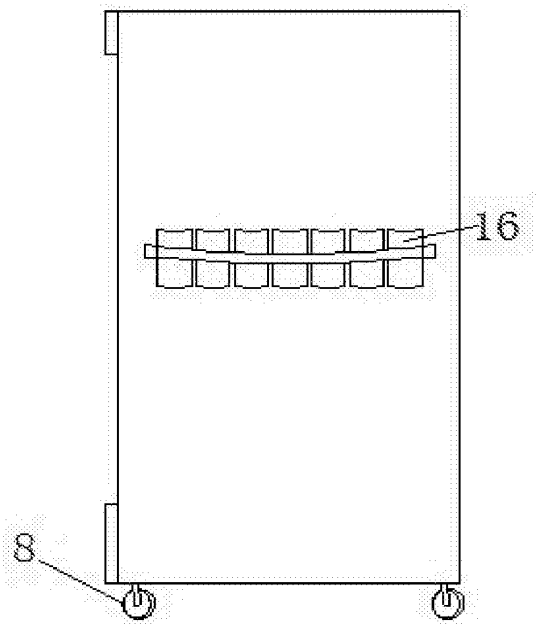


图3

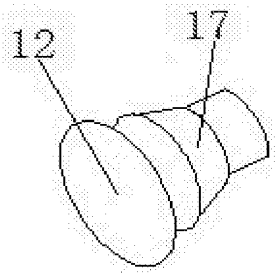


图4

Docket No.: 057664-348C02US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Christopher T. Martin

Application No.: 17/837,768 | Confirmation No.: 9530

Filed: June 10, 2022 | Art Unit: 3761

For: COOKING DEVICE AND COMPONENTS THEREOF | Examiner: Nguyen, Phuong T.

INFORMATION DISCLOSURE STATEMENT (IDS)

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the filing date of this application, OR more than three months after the date of entry of the national stage in the international application, AND after the mailing date of a first Office Action on the merits, but before the mailing date of any of a final Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311 or an action that otherwise closes prosecution in this application (37 C.F.R. § 1.97(c)).

Pursuant to 37 C.F.R. § 1.97(e)(1), each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Submitted herewith is a copy of the foreign patent references in accordance with 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to the patentability as defined in 37 C.F.R. § 1.56(b).

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any fees which may be required with respect to this communication, or credit any overpayment, to Deposit Account No. 50-0311, under Order No. 057664-348C02US from which the undersigned is authorized to draw.

Dated: October 28, 2022

Respectfully submitted,

/Lisa Adams/

Lisa Adams
Registration No.: 44,238
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
(617) 542-6000
Agent for Applicant

Electronic Acknowledgement Receipt

EFS ID:	46917504
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Lisa Adams/Valerie Borry
Filer Authorized By:	Lisa Adams
Attorney Docket Number:	057664-348C02US
Receipt Date:	28-OCT-2022
Filing Date:	10-JUN-2022
Time Stamp:	15:30:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	057664348C02USIDSreCNOA.PDF	1087831 e89069a4eb3b05bb8ef93c7ccb7f3ecdb5d14d94	no	4

Warnings:

Information:					
2	Foreign Reference	CN105615640.PDF	1432504 f19c436ab52885cbf09761043de3dd69a33e4d31	no	14
Warnings:					
Information:					
3	Foreign Reference	CN205849310.PDF	848562 50346cc62bec74686ddd000f522d3c4fd7f88582	no	9
Warnings:					
Information:					
4	Foreign Reference	CN206675433.PDF	631092 4d2494161f132960733fba30814d074c800de155	no	7
Warnings:					
Information:					
5	Transmittal Letter	057664348C02USTransmittal.pdf	477184 034bc6f975a4aebbb3da8a1a98b18d2c4739cea6	no	2
Warnings:					
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		Total Files Size (in bytes):	4477173		

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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US

CONFIRMATION NO. 9530

177399
Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

PUBLICATION NOTICE

OC000000136364946

Title:COOKING DEVICE AND COMPONENTS THEREOF

Publication No.US-2022-0296039-A1
Publication Date:09/22/2022

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Doc Code: ECOMM.AUTH/ECOMM.WTDW
Doc Description: Internet Communications Authorized/Internet Communications Authorization Withdrawn

PTO/SB/439 (11-15)

AUTHORIZATION FOR INTERNET COMMUNICATIONS IN A PATENT APPLICATION OR REQUEST TO WITHDRAW AUTHORIZATION FOR INTERNET COMMUNICATIONS		
	Application No.	17/837,768
	Filing Date	June 10, 2022
	First Named Inventor	Christopher T. Martin
	Art Unit	3761
	Examiner Name	P. T. Nguyen
	Practitioner Docket No.	057664-348C02US

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I. To authorize permission for Internet Communications.

[x] Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with the undersigned and practitioners in accordance with 37 CFR 1.33 and 37 CFR 1.34 concerning any subject matter of this application via video conferencing, instant messaging, or electronic mail. I understand that a copy of these communications will be made of record in the application file. (MPEP 502.03)

II. To withdraw authorization for Internet Communications.

[ ] The authorization given on _____, to the USPTO to communicate with the undersigned and any practitioner in accordance with 37 CFR 1.33 and 37 CFR 1.34 concerning any subject matter of this application via Internet communications such as video conferencing, instant messaging, or electronic mail is hereby withdrawn. I understand that the withdrawal is effective when approved rather than when received.

I am the

[ ] applicant.

[x] attorney or agent of record. Registration number 75,972.

[ ] attorney or agent acting under 37 CFR 1.34. Registration number _____.

/Nicholas M. Eadie/	September 19, 2022
Signature	Date
Nicholas M. Eadie	(617) 542-6000
Typed or printed name	Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Juristic entities must be represented by a patent practitioner (see 37 CFR 1.31, which is applicable to any paper filed on or after September 16, 2012, that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below*.

[ ] * Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	46644261
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Nicholas M. Eadie/June Watson
Filer Authorized By:	Nicholas M. Eadie
Attorney Docket Number:	057664-348C02US
Receipt Date:	19-SEP-2022
Filing Date:	10-JUN-2022
Time Stamp:	15:10:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Internet Communications Authorization	057664-348C02US_Internet_Communication_Form.pdf	139650 760b719ebbbdd90fe3767058296b751b0e030ad9	no	1

Warnings:

Information:	
Total Files Size (in bytes):	139650

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New Applications Under 35 U.S.C. 111

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National Stage of an International Application under 35 U.S.C. 371

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 09/07/2022

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER	
NGUYEN, PHUONG T	

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
09/07/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 17/837,768	Applicant(s) Martin et al.	
	Examiner PHUONG T NGUYEN	Art Unit 3761	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 06/10/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-20 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Response for Election/Restrictions

A. Applicant's election with traverse of Invention I (claims 1-10) in the reply filed on 08/24/2022 is acknowledged. Non-elected Invention II (claims 11-15) and Invention III (claims 16-20) are withdrawn. The applicant's argument is found persuasive therefore it is withdrawn.

B. Applicant's election without traverse of Species II in the reply filed on 08/24/2022 is acknowledged. Non-elected Species I is withdrawn. The requirement is still deemed proper and is therefore made FINAL.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 03/31/2021. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Objections

Claims 2 and 11-15 are objected to because of the following informalities:

In claim 2: the limitations: "*first cooking compartment*" and "*second cooking compartment*" should be changed to --*first internal compartment*-- and --*second internal compartment*--

In claim 11: the term: "*substantially*" should be removed.

In claim 14: the term: "*first and second cooking assemblies*" should be changed to -- *first and second heating assemblies* --

Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of AIA 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and effective filing dates of each claim that was not commonly owned as of the effective filing date of the later invention in order for the examiner to

consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claims 1-20 are rejected under 35 U.S.C. 103 as being unpatentable over Hartfelder et al. (US 20090126580 A1) in view of Kwon et al. (US 20120272832 A1).

Regarding claim 1, Hartfelder discloses

A cooking system (*food warming apparatus 10, fig.1*) comprising:

a housing (*housing 12, fig.1*) having a first internal compartment (*heating compartment 24 on left, fig.1*) and a second internal compartment (*heating compartment 24 on right, fig.1*), the first internal compartment (*heating compartment 24 on left*) and the second internal compartment (*heating compartment 24 on right*) being separated by a dividing wall (*divider 50, fig.1*) extending upward from a base of the housing (*housing 12*);

a first cooking container (*tray 40, fig.1*) defining a first cooking volume, said first cooking container (*tray 40, fig.1*) being removably receivable within said first internal compartment (*heating compartment 24 on left*) to close off an opening to said first internal compartment (*heating compartment 24 on left*) when inserted therein, and

a second cooking container (*tray 42, fig.1*) defining a second cooking volume, said second cooking container (*tray 42*) being removably receivable within said second internal compartment (*heating compartment 24 on right*) to close off an opening to said second internal compartment (*heating compartment 24 on right*) when inserted therein;

a first heating element and a second heating element (*heater plates 70, 72, fig.1*) disposed in said housing (*housing 12*), said first heating element (*heater plate 70*) being in

thermal communication with said first cooking volume and said second heating element (*heater plate72*) being in thermal communication with said second cooking volume.

However, Hartfelder does not disclose the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and

a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

Kwon discloses a cooking system (*cooking apparatus 1, fig.2*) comprising:

a first (*broil heater 50, fig.2*) and a second heating (*bake heater 51, fig.2*) elements being independently operable to independently cook food contained within the first (*chamber 41, fig.2*) and second cooking (*chamber 42, fig.2*) containers [Par.0069 cited: "*….in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54….*"]; and

a first fan (*upper convection fan 53, fig.2*) and a second fan (*lower convection fan 54, fig.2*) disposed in said housing (*main body 10, fig.2*).

Regarding claim 2, Hartfelder discloses

said first cooking container (*tray 40, fig.1*) and said second cooking container (*tray 42, fig.1*) are individually insertable into said first internal compartment (*heating compartment 24 on left, fig.1*) and said second internal compartment (*heating compartment 24 on right, fig.1*) respectively.

Regarding claim 3, Hartfelder discloses

said first internal compartment (*heating compartment 24 on left, fig.1*) and said second internal compartment (*heating compartment 24 on right, fig.1*) are fluidly separate.

Regarding claim 4, Kwon discloses

said first fan (*upper convection fan 53, fig.2*) is stacked vertically relative to said first heating element (*broil heater 50, fig.2*) within said housing (*main body 10, fig.2*) and said second fan (*upper convection fan 53, fig.2*) is stacked vertically relative to said second heating element (*chamber 42, fig.2*) within said housing (*main body 10*).

Regarding claim 5, Kwon discloses

said first fan (*upper convection fan 53, fig.2*) includes a first inlet, a second inlet, and an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet [*upper convection fan 53 has a first, a second and an outlet, fig.2*].

Regarding claim 6, Kwon discloses

said first fan (*upper convection fan 53, fig.2*) has a first axially oriented inlet and a first radially oriented outlet and said second fan (*upper convection fan 53, fig.2*) has a second axially oriented inlet and a second radially oriented outlet.

Regarding claim 7, Hartfelder discloses

said first cooking container (*tray 40, fig.1*) includes a first handle [*tray 40 has an edge, fig.1*] and said second cooking container (*tray 42, fig.1*) includes a second handle [*tray 42 has an edge, fig.1*].

Regarding claim 8, Kwon discloses

a motor (*upper motor 55, lower motor 56, fig.2*) operably coupled to each of said first fan (*upper convection fan 53, fig.2*) and said second fan (*upper convection fan 53, fig.2*).

Regarding claim 9, Kwon discloses

said motor (*upper motor 55, lower motor 56, fig.2*) is located externally from said first internal compartment (*chamber 41, fig.2*) and said second internal compartment (*chamber 42, fig.2*).

Regarding claim 10, Kwon discloses

said motor (*upper motor 55, lower motor 56, fig.2*) is positioned between said first internal compartment (*chamber 41, fig.2*) and said second internal compartment (*chamber 42, fig.2*).

It would have been obvious to one of ordinary skill in the art before the time the invention was made to modify invention of Hartfelder, with the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and a first fan and a second fan disposed in said

housing, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*), such that said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

Regarding claim 11, Hartfelder discloses

A cooking system (*food warming apparatus 10, fig.1*), comprising:

a housing (*housing 12, fig.1*) having a first internal cooking compartment (*heating compartment 24 on left, fig.1*) with a first cooking container (*tray 40, fig.1*) removably disposed therein and a second internal compartment (*heating compartment 24 on right, fig.1*) with a second cooking container (*tray 42, fig.1*) removably disposed therein,

wherein the first (*heating compartment 24 on left*) and second (*heating compartment 24 on right*) internal cooking compartments are separated by a dividing wall (*divider 50, fig.1*) extending upward from a base of the housing (*housing 12*), wherein the first (*tray 40*) and second (*tray 42*) cooking containers are horizontally coplanar when disposed in the first (*heating compartment 24 on left*) and second (*heating compartment 24 on right*) internal cooking compartments respectively.

However, Hartfelder does not disclose the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to

independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes.

Kwon discloses a cooking system (*cooking apparatus 1, fig.2*) comprising: a first internal compartment (*chamber 41, fig.2*) including a first heating assembly (*upper convection fan 53, broil heater 50, fig.2*) comprising a first fan (*upper convection fan 53, fig.2*) and a first heating element (*broil heater 50, fig.2*), and the second internal cooking compartment (*chamber 42, fig.2*) including a second heating assembly (*lower convection fan 54, bake heater 51, fig.2*) comprising a second fan (*lower convection fan 54, fig.2*) and a second heating element (*bake heater 51, fig.2*), the first (*upper convection fan 53, broil heater 50*) and second (*lower convection fan 54, bake heater 51*) heating assemblies being independently operable to independently cook food [Par.0069 cited: "*....in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54....*"], and the first (*upper convection fan 53, broil heater 50*) and second (*lower convection fan 54, bake heater 51*) heating assemblies being programmable to simultaneously cook food in separate cooking modes [*broil in chamber 40 and bake in chamber 42,* Par.0069].

Regarding claim 12, Hartfelder discloses

the first cooking container (*tray 40, fig.1*) includes a first external handle [*tray 40 has an edge, fig.1*] attached thereto and the second cooking container (*tray 42, fig.1*) includes a second external handle [*tray 42 has an edge, fig.1*] attached thereto.

Regarding claim 13, Kwon discloses

the first internal cooking compartment (*chamber 41, fig.2*) and the second internal cooking compartment (*chamber 42, fig.2*) are independently operable to cook food using at least one of conduction, convection [Pars.0046-0047], radiation, and induction.

Regarding claim 14, Kwon discloses

a control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) configured to operate the first (*upper convection fan 53, broil heater 50, fig.2*) and second heating (*lower convection fan 54, bake heater 51, fig.2*) assemblies, the control system being configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

Regarding claim 15, Kwon discloses

a motor (*upper motor 55, lower motor 56, fig.2*) operably coupled to each of the first (*upper convection fan 53, fig.2*) and second (*upper convection fan 53, fig.2*) fans, the motor (*upper motor 55, lower motor 56*) configured to operate the first (*upper convection fan 53*) and second (*upper convection fan 53*) fans at the same speed or at different speeds.

It would have been obvious to one of ordinary skill in the art before the time the invention was made to modify invention of Hartfelder, with the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal

cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*).

Regarding claim 16, Hartfelder discloses

A cooking system (*food warming apparatus 10, fig.1*), comprising:

a housing (*housing 12, fig.1*) having first (*tray 40, fig.1*) and second (*tray 42, fig.1*) internal independently removable cooking containers disposed therein, the first (*tray 40*) and second (*tray 42*) cooking containers being separated from each other by a dividing wall (*divider 50, fig.1*) extending upward from a base of the housing (*housing 12*), each of the first (*tray 40*) and second (*tray 42*) cooking containers defining a cooking volume therein,

first and second heating elements (*heater plates 70, 72, fig.1*) disposed in the housing (*housing 12*) adjacent the cooking volume of the first (*tray 40*) and second (*tray 42*) cooking containers, respectively.

However, Hartfelder does not disclose

the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein;

the first and second heating elements being independently operable; and

first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively.

Kwon discloses a cooking system (*cooking apparatus 1, fig.2*) comprising:

a first (*chamber 41, fig.2*) and second (*chamber 41, fig.2*) cooking compartment being configured to engage with first and second respective channels (*outlet holes 60, fig.3*) inside the housing to define first and second respective air ducts therein.

a first (*broil heater 50, fig.2*) and second (*bake heater 51, fig.2*) heating elements being independently operable [Par.0069 cited: "*....in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54....*"]; and

first (*upper convection fan 53, fig.2*) and second (*lower convection fan 54, fig.2*) fans disposed in the housing (*main body 10, fig.2*) adjacent the first (*broil heater 50*) and second (*bake heater 51*) heating elements, respectively, the first (*upper convection fan 53*) and second (*lower convection fan 54*) fans being independently operable [Par.0069 cited: "*....in order to apply a variety of temperature conditions in the first and second cooking chambers 41 and 42, a user may operate only a portion or all of the broil heater 50, the upper convection fan 53, the bake heater 51, the convection heater 52, and the lower convection heater 54....*"], and the first (*upper convection fan 53*) and second fans (*lower convection fan 54, fig.2*) being

configured to circulate air through the first (*chamber 41*) and second (*chamber 42*) cooking volumes, respectively.

Regarding claim 17, Kwon discloses

a control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) configured to operate cooking processes of food.

Hartfelder discloses first (*tray 40, fig.1*) and second (*tray 42, fig.1*) containers.

Regarding claim 18, Kwon discloses

the control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) is configured to independently operate the first (*broil heater 50, fig.2*) and second heating elements (*bake heater 51, fig.2*) and the first (*upper convection fan 53, fig.2*) and second (*lower convection fan 54, fig.2*) fans.

Regarding claim 19, Kwon discloses

the control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) is configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type [*control system is inherently that can be performed the function*].

Regarding claim 20, Kwon discloses

the control system (*it is inherently cooking apparatus 1, fig.2 has a control system, see Par.0069*) is configured to adjust cooking parameters based on sensed data without user input [*control system is inherently that can be performed the function*].

It would have been obvious to one of ordinary skill in the art before the time the invention was made to modify invention of Hartfelder, with the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein; the first and second heating elements being independently operable; and first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively, as taught by Kwon, in order to apply a variety of temperature conditions in the first and second cooking chambers (*Kwon, Par.0069*).

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d

937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit http://www.uspto.gov/forms/. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

Claims 1-10 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-71 of copending Application No. 17159414.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of copending **Application No. 17159414** are substantially the same and the claimed subject

matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of copending **Application No. 17159414**.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. US11045046 B1.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of **U.S. Patent No. US11045046 B1** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of **U.S. Patent No. US11045046 B1**.

Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. US11389026 B2.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of **U.S. Patent No. US11389026 B1** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of **U.S. Patent No. US11389026 B1**.

Claims 1-10 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-7 of U.S. Patent No. US11297977 B2.

Although the claims at issue are not identical, they are not patentably distinct from each other because the claimed subject matter of the present applicant and that of **U.S. Patent No. US11297977 B1** are substantially the same and the claimed subject matter of the present application would have been obvious to one of ordinary skill in the art based on the claimed subject matter of **U.S. Patent No. US11297977 B1**.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONG NGUYEN whose telephone number is (571)270-1834. The examiner can normally be reached on Monday-Friday (8.00am-5.00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service

Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761
08/31/2022

Notice of References Cited	Application/Control No. 17/837,768	Applicant(s)/Patent Under Reexamination Martin et al.	
	Examiner PHUONG T NGUYEN	Art Unit 3761	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20090126580-A1	05-2009	Hartfelder; Charles	A47J39/006	99/483
*	B	US-20120272832-A1	11-2012	Kwon; Myoung Keun	A21B1/00	99/324
	C					
	D					
	E					
	F					
	G					
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	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/07/2022	08/24/2022							
	1	÷	✓							
	2	÷	✓							
	3	÷	✓							
	4	÷	✓							
	5	÷	✓							
	6	÷	✓							
	7	÷	✓							
	8	÷	✓							
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	11	÷	✓							
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	15	÷	✓							
	16	÷	✓							
	17	÷	✓							
	18	÷	✓							
	19	÷	✓							
	20	÷	✓							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

CPC - Searched*		
Symbol	Date	Examiner
A47J37/0641, A47J27/00, A47J27/08, A47J27/09, A47J27/092, A47J36/025, A47J36/06, A47J36/08, A47J36/10, A47J36/12, A47J36/165, A47J36/18, A47J36/20, A47J36/22, A47J37/00, A47J37/12, A47J37/1204, A47J37/1209, A47J37/1214, A47J37/1219, A47J37/1266, A47J37/1285, A47J37/129, A47J37/1295	08/24/2022	PN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
099	324, 325, 330-343, 369, 400-418, 422, 425, 426, 430, 440, 444, 447, 448, 449, 451, 483, 495, 501	08/24/2022	PN

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
EAST Search	08/24/2022	PN
CPC and USPC Search	08/24/2022	PN
INVENTOR Search	08/24/2022	PN
IDS Search	08/24/2022	PN
PLUS Search	08/24/2022	PN
INVENTIVE Search	08/24/2022	PN

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/PHUONG T NGUYEN/ Primary Examiner, Art Unit 3761	

Docket No.: 057664-348C02US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Christopher T. Martin et al.

Application No.: 17/837,768 Confirmation No.: 9530

Filed: June 10, 2022 Art Unit: 3761

For: COOKING DEVICE AND COMPONENTS THEREOF Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three(3) months of the filing date of this patent application.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted.

Applicant brings to the Examiner's attention the following U.S. Patent Applications, the prosecution of which may be relevant to the current application:

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

App. No.	Filing Date	Title
17/159,414	January 27, 2021	COOKING DEVICE AND COMPONENTS THEREOF
17/219,238	March 31, 2021	COOKING DEVICE AND COMPONENTS THEREOF

In accordance with 37 C.F.R. § 1.98(d)(1) foreign patents and non-patent literature on the attached PTO/SB/08, the references are not supplied because they were previously cited by or submitted to the Office in prior application numbers 17/159,414 filed January 27, 2021, 17/219,238 filed March 31, 2021 and relied on in the above-identified application for an earlier effective filing date under 35 U.S.C. § 120.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to the patentability as defined in 37 C.F.R. § 1.56(b).

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

All fees due are believed to be paid. The Director is hereby authorized to charge any deficiency in the fees filed with this paper, asserted to be filed with this paper, or which should have been filed with this paper, to our Deposit Account No. 50-0311, under Order No. 057664-348C02US from which the undersigned is authorized to draw.

Dated: July 18, 2022

Respectfully submitted,

Electronic signature: / Ryan Rieker/
Ryan Rieker
Registration No.: 80,734
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
(617) 348-3054
Attorney for Applicant

/PHUONG T NGUYEN/
08/25/2022

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	3	"17837768"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/08/25 12:15 AM
L2	2642	((("MARTIN") near3 ("Christopher")) OR (("GUERIN") near3 ("Thomas")) OR (("JACKSON") near3 ("Roger")) OR (("ANTHONY") near3 ("Joshua")) OR (("SCHWARZ") near3 ("Kerry")) OR (("DUBEAU") near3 ("Michaela"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/08/25 12:16 AM
L3	225	("10045651" OR "10051997" OR "10088173" OR "10094576" OR "10099839" OR "10101038" OR "10113749" OR "10143324" OR "10174953" OR "10190783" OR "10203117" OR "10234144" OR "10247424" OR "10271686" OR "10271690" OR "10285531" OR "10309659" OR "10337745" OR "10364990" OR "10364991" OR "10383477" OR "10390656" OR "10405696" OR "10405697" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:17 AM

		"10405698" OR "10405699" OR "10413121" OR "10413122" OR "10426176" OR "10448785" OR "10448786" OR "10451285" OR "10492641" OR "10495319" OR "10495320" OR "10502433" OR "10512363" OR "10524615" OR "10598391" OR "10619862" OR "10627116" OR "10638882" OR "10660471" OR "10674853" OR "10674854" OR "10684022" OR "10694753" OR "10694882" OR "10712018" OR "10729144" OR "10731865" OR "10743709" OR "10743710" OR "10794599" OR "10835077" OR "10841981" OR "10849457" OR "10852002" OR "10865994" OR "10881246" OR "10883721" OR "10887952" OR "10890336" OR "10890372" OR "10914473" OR "10918112" OR "10920992" OR "11045046" OR "20090126580" OR "20120272832" OR "20120321770" OR "20160029829" OR "20160209028" OR "20160220057" OR "20170079473" OR "20170231430" OR "20170245683" OR "20170251859" OR "20180073746" OR "20180220500" OR "20180220842" OR "20180255971" OR					

		"20180259194" OR "20180303285" OR "20180352612" OR "20190045590" OR "20190063123" OR "20190137111" OR "20190170368" OR "20190208956" OR "20190239517" OR "20190242590" OR "20190246835" OR "20190246836" OR "20190246841" OR "20190254473" OR "20190254474" OR "20190254476" OR "20190254479" OR "20190269276" OR "20190282029" OR "20190290062" OR "20190290072" OR "20190298104" OR "20190298105" OR "20190298106" OR "20190307291" OR "20190309955" OR "20190313846" OR "20190313847" OR "20190328175" OR "20190380533" OR "20200033009" OR "20200033010" OR "20200072475" OR "20200132309" OR "20200138238" OR "20200138239" OR "20200149746" OR "20200182484" OR "20200187708" OR "20200187710" OR "20200200393" OR "20200200394" OR "20200200395" OR "20200208844" OR "20200229276" OR "20200268200" OR "20200288725" OR "20200309379" OR "20200323222" OR "20200329908" OR "20200329909" OR "20200345173" OR "20200352385" OR "20200378609" OR "20200383512" OR "5832812" OR "6545251" OR "6593552" OR					

		"6653602" OR "6758206" OR "6761159" OR "6878904" OR "6917017" OR "7064297" OR "7105778" OR "7105779" OR "7117866" OR "7227102" OR "7238921" OR "7250587" OR "7250588" OR "7297905" OR "7328654" OR "7339140" OR "7442901" OR "7703389" OR "8006685" OR "8035062" OR "8096231" OR "8212188" OR "8217314" OR "8274020" OR "8378265" OR "8389907" OR "8404292" OR "8517006" OR "8640608" OR "8669500" OR "8720323" OR "8735778" OR "8748783" OR "8883234" OR "8895902" OR "8993026" OR "9021942" OR "9072403" OR "9074776" OR "9080774" OR "9115904" OR "9192262" OR "9314134" OR "9326639" OR "9351495" OR "9370275" OR "9404661" OR "9433321" OR "9462912" OR "9480364" OR "9482437" OR "9504351" OR "9534791" OR "9534794" OR "9541295" OR "9568200" OR "9618212" OR "9635979" OR					

		"9661952" OR "9668615" OR "9671114" OR "9677774" OR "9681773" OR "9693655" OR "9702564" OR "9723954" OR "9746189" OR "9759430" OR "9759432" OR "9788687" OR "9795250" OR "9803873" OR "9863645" OR "9874354" OR "9879865" OR "9900936" OR "9903598" OR "9974312" OR "9976750" OR "9980322" OR "9980606" OR "9993111" OR "D688513" OR "D695058" OR "D724890").pn.					
L4	6059	(A47J37/0641 OR A47J27/00 OR A47J27/08 OR A47J27/09 OR A47J27/092 OR A47J36/025 OR A47J36/06 OR A47J36/08 OR A47J36/10 OR A47J36/12 OR A47J36/165 OR A47J36/18 OR A47J36/20 OR A47J36/22 OR A47J37/00 OR A47J37/12 OR A47J37/1204 OR A47J37/1209 OR A47J37/1214 OR A47J37/1219 OR A47J37/1266 OR A47J37/1285 OR A47J37/129 OR A47J37/1295).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:19 AM
L5	8391	L2 OR L3 OR L4	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:20 AM
L6	1041579	(two OR dual OR double) WITH (zone OR compartment OR chamber OR container)	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:21 AM

L7	2714906	(separat$3 OR independent$3) WITH (operat$3 OR control$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:22 AM
L8	1117	L5 AND L6	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:22 AM
L9	1383	L5 AND L7	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:22 AM
L10	341	L8 AND L9	(US-PGPUB; USPAT)	OR	ON	ON	2022/08/25 12:23 AM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Not Yet Assigned
Attorney Docket Number	057664-348C02US

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5832812	A	1998-11-10	Wolfe et al.	
	2	6545251	B2	2003-04-08	Allera et al.	
	3	6593552	B1	2003-07-15	Li, George T. C.	
	4	6653602	B2	2003-11-25	Li, George T. C.	
	5	6758206	B1	2004-07-06	Barnes et al.	
	6	6761159	B1	2004-07-13	Barnes et al.	
	7	6878904	B2	2005-04-12	Verveniotis, Nicholas G.	
	8	6917017	B2	2005-07-12	Moon et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T.N/

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	9	7064297	B2	2006-06-20	Tidey, Scott	
	10	7105778	B1	2006-09-12	Delong et al.	
	11	7105779	B2	2006-09-12	Shei, Steven M.	
	12	7117866	B2	2006-10-10	Cantal, Dante	
	13	7227102	B2	2007-06-05	Shei, Steven M.	
	14	7238921	B2	2007-07-03	Beesley et al.	
	15	7250587	B2	2007-07-31	Ely et al.	
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	17	7297905	B2	2007-11-20	Kim et al.	
	18	7328654	B2	2008-02-12	Shei, Steven M.	
	19	7339140	B2	2008-03-04	Tidey, Scott	

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	20	7442901	B2	2008-10-28	Kim et al.	
	21	7703389	B2	2010-04-27	McLemore et al.	
	22	8006685	B2	2011-08-30	Bolton et al.	
	23	8035062	B2	2011-10-11	McFadden et al.	
	24	8096231	B2	2012-01-17	Veltrop et al.	
	25	8212188	B2	2012-07-03	Kim et al.	
	26	8217314	B2	2012-07-10	Kim et al.	
	27	8274020	B2	2012-09-25	Donarski et al.	
	28	8378265	B2	2013-02-19	Greenwood et al.	
	29	8389907	B2	2013-03-05	Willett, Paul E.	
	30	8404292	B2	2013-03-26	Veltrop et al.	

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	31	8517006	B2	2013-08-27	Frock et al.	
	32	D688513	S	2013-08-27	Garman, Michael	
	33	D695058	S	2013-12-10	Garman, Michael	
	34	8640608	B2	2014-02-04	Volatier, Sebastien	
	35	8669500	B2	2014-03-11	Hensel et al.	
	36	8720323	B2	2014-05-13	Douglas et al.	
	37	8735778	B2	2014-05-27	Greenwood et al.	
	38	8748783	B2	2014-06-10	Hensel et al.	
	39	8883234	B2	2014-11-11	Choi, Sung-Ho	
	40	8895902	B2	2014-11-25	Shei et al.	
	41	D724890	S	2015-03-24	Molnar et al.	

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	42	8993026	B2	2015-03-31	Molnar et al.	
	43	9021942	B2	2015-05-05	Lee et al.	
	44	9072403	B2	2015-07-07	Braden et al.	
	45	9074776	B2	2015-07-07	Greenwood et al.	
	46	9080774	B2	2015-07-14	Kim et al.	
	47	9115904	B2	2015-08-25	Bringe et al.	
	48	9192262	B2	2015-11-24	Kanbur et al.	
	49	9314134	B2	2016-04-19	Molnar, Jon P.	
	50	9326639	B2	2016-05-03	McKee et al.	
	51	9351495	B2	2016-05-31	Mcfadden, David H.	
	52	9370275	B2	2016-06-21	Jackson et al.	

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	53	9404661	B2	2016-08-02	Kim et al.	
	54	9433321	B2	2016-09-06	Piazzi, Enrico	
	55	9462912	B2	2016-10-11	Jackson et al.	
	56	9480364	B2	2016-11-01	Mckee et al.	
	57	9482437	B2	2016-11-01	Kemper, Lars	
	58	9504351	B2	2016-11-29	Cadima, Paul B.	
	59	9534791	B2	2017-01-03	Wie et al.	
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	61	9541295	B2	2017-01-10	Adelmann et al.	
	62	9568200	B2	2017-02-14	Moon et al.	
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	64	9635979	B2	2017-05-02	Abrams et al.	
	65	9661952	B2	2017-05-30	Jackson et al.	
	66	9668615	B2	2017-06-06	Contarino Jr., Alfred F.	
	67	9671114	B2	2017-06-06	Braden et al.	
	68	9677774	B2	2017-06-13	McKee et al.	
	69	9681773	B2	2017-06-20	McKee et al.	
	70	9693655	B2	2017-07-04	Shei et al.	
	71	9702564	B2	2017-07-11	Park et al.	
	72	9723954	B2	2017-08-08	Bringe et al.	
	73	20170231430	A1	2017-08-17	Moon et al.	
	74	9746189	B2	2017-08-29	Kantas, Murat	

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	75	9759430	B2	2017-09-12	Jadhav et al.	
	76	9759432	B2	2017-09-12	Chung et al.	
	77	9788687	B2	2017-10-17	Frehn et al.	
	78	9795250	B2	2017-10-24	Huang, Zhonghui	
	79	9803873	B2	2017-10-31	Rowley et al.	
	80	9863645	B2	2018-01-09	Adelmann et al.	
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	84	9903598	B2	2018-02-27	Greenwood et al.	
	85	9974312	B2	2018-05-22	McKee et al.	

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	86	9976750	B1	2018-05-22	Kestner et al.	
	87	9980322	B1	2018-05-22	Kestner et al.	
	88	9980606	B2	2018-05-29	Marra, Emiliano	
	89	9993111	B2	2018-06-12	Thorndyke, Robert J.	
	90	10045651	B2	2018-08-14	Huang, Zhonghui	
	91	10051997	B2	2018-08-21	Contarino Jr., Alfred F.	
	92	10088173	B2	2018-10-02	Mckee et al.	
	93	10094576	B2	2018-10-09	Kim et al.	
	94	10099839	B2	2018-10-16	Schoning, Lars	
	95	10101038	B2	2018-10-16	Kim et al.	
	96	10113749	B2	2018-10-30	Yancey, Martin A.	

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	97	10143324	B2	2018-12-04	Kataoka et al.	
	98	10174953	B2	2019-01-08	Jadhav et al.	
	99	10190783	B2	2019-01-29	Rogers et al.	
	100	10203117	B2	2019-02-12	Moon et al.	
	101	10234144	B2	2019-03-19	Deshpande, Bipin P.	
	102	10247424	B2	2019-04-02	Adelmann et al.	
	103	10271686	B2	2019-04-30	Roy, Shambhu	
	104	10271690	B2	2019-04-30	Veltrop et al.	
	105	10285531	B2	2019-05-14	Chanowitz, Benson	
	106	10309659	B2	2019-06-04	Moon et al.	
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	108	10364990	B2	2019-07-30	Lee, Sangkyun	
	109	10364991	B2	2019-07-30	Kang et al.	
	110	10383477	B2	2019-08-20	Payen et al.	
	111	10390656	B2	2019-08-27	Gill et al.	
	112	10405696	B2	2019-09-10	Kim, Han J.	
	113	10405697	B2	2019-09-10	Gill et al.	
	114	10405698	B2	2019-09-10	Gill et al.	
	115	10405699	B2	2019-09-10	Contarino Jr., Alfred F.	
	116	10413121	B2	2019-09-17	Gill et al.	
	117	10413122	B2	2019-09-17	Gill et al.	
	118	10426176	B2	2019-10-01	Dixon et al.	

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Attorney Docket Number	057664-348C02US

	119	10448785	B2	2019-10-22	Van Der Weij, Fedde	
	120	10448786	B2	2019-10-22	Van Der Burg et al.	
	121	10451285	B2	2019-10-22	Dumenil, Sean	
	122	10492641	B2	2019-12-03	Kestner et al.	
	123	10495319	B2	2019-12-03	Lee et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Not Yet Assigned
Attorney Docket Number	057664-348C02US

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	Attorney Docket Number	057664-348C02US

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	Attorney Docket Number	057664-348C02US

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First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Not Yet Assigned
Attorney Docket Number	057664-348C02US

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Attorney Docket Number	057664-348C02US

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	Attorney Docket Number	057664-348C02US

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
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Examiner Name	Not Yet Assigned
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	Attorney Docket Number	057664-348C02US

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	1	International Search Report and Written Opinion received for PCT Patent International Application No. PCT/US2020/042120, mailed on October 30, 2020, 14 pages.	

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Ryan Rieker/	Date (YYYY-MM-DD)	2022-07-18
Name/Print	Ryan Rieker	Registration Number	44,238

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Bibliographic Data

Application No: 17/837,768

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /PHUONG T NGUYEN/ (Examiner's Signature) | (Initials)

Title: COOKING DEVICE AND COMPONENTS THEREOF

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/10/2022	099	3761	057664-348C02US
RULE			

APPLICANTS

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CONTINUING DATA

This application is a CON of 17219238 03/31/2021 PAT 11389026

17219238 is a CON of 17159414 01/27/2021

17159414 is a 371 of PCT/US2020/042120 07/15/2020

PCT/US2020/042120 has PRO of 62874193 07/15/2019 *

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EFS ID:	46474533
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Ryan Rieker
Filer Authorized By:	
Attorney Docket Number:	057664-348C02US
Receipt Date:	24-AUG-2022
Filing Date:	10-JUN-2022
Time Stamp:	15:13:43
Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Response to Election / Restriction Filed	057664-348C02US_Response-to-RR.pdf	192242 30a936635389750150c33c9610caad1dcc6b110	no	4

Warnings:

Information:	
Total Files Size (in bytes):	192242

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Christopher T. Martin et al.	
Application No.: 17/837,768	Confirmation No.: 9530
Filed: August 19, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: P. T. Nguyen

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO REQUIREMENT FOR RESTRICTION REQUIREMENT

Dear Commission:

In response to the Restriction Requirement dated August 19, 2022, the undersigned respectfully submits the following amendments and remarks:

Remarks/Arguments begin on page 2 of this paper.

REMARKS

The present Office Action addresses and restricts claims 1-20. Reconsideration is requested in light of the amendments and remarks herein.

Restriction Requirement

The Examiner requires election to one of the following three (3) inventions:

- Invention I: Claims 1-10, drawn to "A cooking system"
- Invention II: Claims 11-15, drawn to "A cooking system"
- Invention III: Claims 16-20, drawn to "A cooking system"

Applicant provisionally elects Invention I, ***with traverse***. Based on Applicant's review of the claims, Applicant believes restriction is improper because there is only one invention recited in claims 1-20.

The Examiner relies on 37 C.F.R. § 1.499 in conjunction with PCT Rule 13.1 to restrict the claims as outlined above. However, restriction under these standards is reserved only for international and national-stage applications. While the present application is a continuation of a national-stage application filed under 35 U.S.C. § 371(a), the present application is filed under 35 U.S.C. § 111(a) and is therefore not an international or national-stage application subject to the standards of 37 C.F.R. § 1.499 and PCT Rule 13.1. Instead, the present application is subject to the standards laid out in MPEP § 803.

MPEP § 803 states that "[i]f the search and examination of all the claims in an application can be made without serious burden, the examiner ***must*** examine them on the merits, even though they include claims to independent or distinct inventions" (emphasis added). Independent claims 1, 11, and 16 are directed to cooking systems including: a housing (claims 1, 11, 16); a dividing wall extending upward from a base of the housing (claims 1, 11, 16); first and second cooking containers separated from each other by the dividing wall (claims 1, 11, 16); and first and second heating elements, and first and second fans respectively associated with the first and second cooking containers (claims 1, 11, 16). Accordingly, the three independent claims are

generally directed to the same invention. Thus, examination of claims 1, 11, and 16 together does not present a serious burden. Accordingly, reconsideration of the claim groupings is respectfully requested.

Species Election

The Examiner also requires election to one of the following two (2) species:

- Species I: FIGS. 1-7
- Species II: FIGS. 8-15

Applicant provisionally elects Species II, without traverse. Regardless, Applicant submits that claims 1-20 are generic to all species.

Applicant reserves full rights to pursue patent protection for withdrawn subject matter in one or more continuing or divisional applications.

Conclusion

It is believed that all of the pending claims have been addressed in this paper. However, failure to address a specific rejection, issue or comment, does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above are not intended to be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper.

No additional fees are believed to be due. However, the Commissioner is hereby authorized to charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account 50-0311, Reference No. 057664-348C02US. If there are any questions regarding this reply, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Dated: August 24, 2022

Respectfully submitted,

Electronic signature: /Ryan Rieker/
Ryan Rieker
Registration No.: 80,734
Lisa Adams
Registration No.: 44,238
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
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UNITED STATES DEPARTMENT OF COMMERCE
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 08/19/2022

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER	
NGUYEN, PHUONG T	

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
08/19/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Office Action Summary	Application No. 17/837,768	Applicant(s) Martin et al.	
	Examiner PHUONG T NGUYEN	Art Unit 3761	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 06/10/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☐ Claim(s) _____ is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☑ Claim(s) 1-20 are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

REQUIREMENT FOR UNITY OF INVENTION

As provided in 37 CFR 1.475(a), a national stage application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept ("requirement of unity of invention"). Where a group of inventions is claimed in a national stage application, the requirement of unity of invention shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

The determination whether a group of inventions is so linked as to form a single general inventive concept shall be made without regard to whether the inventions are claimed in separate claims or as alternatives within a single claim. See 37 CFR 1.475(e).

WHEN CLAIMS ARE DIRECTED TO MULTIPLE CATEGORIES OF INVENTIONS

As provided in 37 CFR 1.475(b), a national stage application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn only to one of the following combinations of categories:

(1) A product and a process specially adapted for the manufacture of said product; or

(2) A product and process of use of said product; or

(3) A product, a process specially adapted for the manufacture of the said product, and a use of the said product; or

(4) A process and an apparatus or means specifically designed for carrying out the said process; or

(5) A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process.

Otherwise, unity of invention might not be present. See 37 CFR 1.475(c).

Restriction is required under 35 U.S.C. 121 and 372.

A. <u>This application contains the following inventions or groups of inventions</u> which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- **<u>Group I</u>**, claim(s) 1-10, drawn to "A cooking system".
- **<u>Group II</u>**, claim(s) 11-15, drawn to "A cooking system".
- **<u>Group III</u>**, claim(s) 16-20, drawn to "A cooking system".

The groups of inventions listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Groups I, II and III lack unity of invention because even though the inventions of these groups require the technical feature of housing, this technical feature is not a special

technical feature as it does not make a contribution over the prior art in view of US20170231430.

B. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

- **Species 1:** Figures 1-7
- **Species 2:** Figures 8-15

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise require all the limitations of an allowed generic claim. Currently, no claim(s) are generic.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the

election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention or species.

Should applicant traverse on the ground that the inventions have unity of invention (37 CFR 1.475(a)), applicant must provide reasons in support thereof. Applicant may submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. Where such evidence or admission is provided by applicant, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be corrected in compliance with 37 CFR 1.48(a) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. A request to correct inventorship under 37 CFR 1.48(a) must be accompanied by an application data sheet in accordance with 37 CFR 1.76 that identifies each inventor by his or her legal name and by the processing fee required under 37 CFR 1.17(i).

The examiner has required restriction between product or apparatus claims and process claims. Where applicant elects claims directed to the product/apparatus, and all product/apparatus claims are subsequently found allowable, withdrawn process claims that include all the limitations of the allowable product/apparatus claims should be

considered for rejoinder. All claims directed to a nonelected process invention must include all the limitations of an allowable product/apparatus claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product/apparatus claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product/apparatus are found allowable, an otherwise proper restriction requirement between product/apparatus claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product/apparatus claim will not be rejoined. See MPEP § 821.04. Additionally, in order for rejoinder to occur, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product/apparatus claims. **Failure to do so may result in no rejoinder.** Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONG NGUYEN whose telephone number is (571)270-1834. The examiner can normally be reached on Monday-Friday (8.00am-5.00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUONG T NGUYEN/
Primary Examiner, Art Unit 3761
08/15/2022

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/837,768	Martin et al.
	Examiner	Art Unit
	PHUONG T NGUYEN	3761

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/07/2022								
	1	÷								
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	20	÷								

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	17837768
Filing Date	2022-06-10
First Named Inventor	Christopher T. Martin
Art Unit	3761
Examiner Name	Not Yet Assigned
Attorney Docket Number	057664-348C02US

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5832812	A	1998-11-10	Wolfe et al.	
	2	6545251	B2	2003-04-08	Allera et al.	
	3	6593552	B1	2003-07-15	Li, George T. C.	
	4	6653602	B2	2003-11-25	Li, George T. C.	
	5	6758206	B1	2004-07-06	Barnes et al.	
	6	6761159	B1	2004-07-13	Barnes et al.	
	7	6878904	B2	2005-04-12	Verveniotis, Nicholas G.	
	8	6917017	B2	2005-07-12	Moon et al.	

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	Attorney Docket Number	057664-348C02US

	9	7064297	B2	2006-06-20	Tidey, Scott	
	10	7105778	B1	2006-09-12	Delong et al.	
	11	7105779	B2	2006-09-12	Shei, Steven M.	
	12	7117866	B2	2006-10-10	Cantal, Dante	
	13	7227102	B2	2007-06-05	Shei, Steven M.	
	14	7238921	B2	2007-07-03	Beesley et al.	
	15	7250587	B2	2007-07-31	Ely et al.	
	16	7250588	B2	2007-07-31	Ely et al.	
	17	7297905	B2	2007-11-20	Kim et al.	
	18	7328654	B2	2008-02-12	Shei, Steven M.	
	19	7339140	B2	2008-03-04	Tidey, Scott	

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	20	7442901	B2	2008-10-28	Kim et al.	
	21	7703389	B2	2010-04-27	McLemore et al.	
	22	8006685	B2	2011-08-30	Bolton et al.	
	23	8035062	B2	2011-10-11	McFadden et al.	
	24	8096231	B2	2012-01-17	Veltrop et al.	
	25	8212188	B2	2012-07-03	Kim et al.	
	26	8217314	B2	2012-07-10	Kim et al.	
	27	8274020	B2	2012-09-25	Donarski et al.	
	28	8378265	B2	2013-02-19	Greenwood et al.	
	29	8389907	B2	2013-03-05	Willett, Paul E.	
	30	8404292	B2	2013-03-26	Veltrop et al.	

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	Attorney Docket Number	057664-348C02US

	31	8517006	B2	2013-08-27	Frock et al.	
	32	D688513	S	2013-08-27	Garman, Michael	
	33	D695058	S	2013-12-10	Garman, Michael	
	34	8640608	B2	2014-02-04	Volatier, Sebastien	
	35	8669500	B2	2014-03-11	Hensel et al.	
	36	8720323	B2	2014-05-13	Douglas et al.	
	37	8735778	B2	2014-05-27	Greenwood et al.	
	38	8748783	B2	2014-06-10	Hensel et al.	
	39	8883234	B2	2014-11-11	Choi, Sung-Ho	
	40	8895902	B2	2014-11-25	Shei et al.	
	41	D724890	S	2015-03-24	Molnar et al.	

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	42	8993026	B2	2015-03-31	Molnar et al.	
	43	9021942	B2	2015-05-05	Lee et al.	
	44	9072403	B2	2015-07-07	Braden et al.	
	45	9074776	B2	2015-07-07	Greenwood et al.	
	46	9080774	B2	2015-07-14	Kim et al.	
	47	9115904	B2	2015-08-25	Bringe et al.	
	48	9192262	B2	2015-11-24	Kanbur et al.	
	49	9314134	B2	2016-04-19	Molnar, Jon P.	
	50	9326639	B2	2016-05-03	McKee et al.	
	51	9351495	B2	2016-05-31	Mcfadden, David H.	
	52	9370275	B2	2016-06-21	Jackson et al.	

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	Attorney Docket Number	057664-348C02US

	53	9404661	B2	2016-08-02	Kim et al.	
	54	9433321	B2	2016-09-06	Piazzi, Enrico	
	55	9462912	B2	2016-10-11	Jackson et al.	
	56	9480364	B2	2016-11-01	Mckee et al.	
	57	9482437	B2	2016-11-01	Kemper, Lars	
	58	9504351	B2	2016-11-29	Cadima, Paul B.	
	59	9534791	B2	2017-01-03	Wie et al.	
	60	9534794	B2	2017-01-03	Rogers et al.	
	61	9541295	B2	2017-01-10	Adelmann et al.	
	62	9568200	B2	2017-02-14	Moon et al.	
	63	9618212	B2	2017-04-11	Schootstra et al.	

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	Attorney Docket Number	057664-348C02US

	64	9635979	B2	2017-05-02	Abrams et al.	
	65	9661952	B2	2017-05-30	Jackson et al.	
	66	9668615	B2	2017-06-06	Contarino Jr., Alfred F.	
	67	9671114	B2	2017-06-06	Braden et al.	
	68	9677774	B2	2017-06-13	McKee et al.	
	69	9681773	B2	2017-06-20	McKee et al.	
	70	9693655	B2	2017-07-04	Shei et al.	
	71	9702564	B2	2017-07-11	Park et al.	
	72	9723954	B2	2017-08-08	Bringe et al.	
	73	20170231430	A1	2017-08-17	Moon et al.	
	74	9746189	B2	2017-08-29	Kantas, Murat	

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	Attorney Docket Number	057664-348C02US

	75	9759430	B2	2017-09-12	Jadhav et al.	
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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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Signature	/Ryan Rieker/	Date (YYYY-MM-DD)	2022-07-18
Name/Print	Ryan Rieker	Registration Number	44,238

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Docket No.: 057664-348C02US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Christopher T. Martin et al.

Application No.: 17/837,768	Confirmation No.: 9530
Filed: June 10, 2022	Art Unit: 3761
For: COOKING DEVICE AND COMPONENTS THEREOF	Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three(3) months of the filing date of this patent application.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted.

Applicant brings to the Examiner's attention the following U.S. Patent Applications, the prosecution of which may be relevant to the current application:

App. No.	Filing Date	Title
17/159,414	January 27, 2021	COOKING DEVICE AND COMPONENTS THEREOF
17/219,238	March 31, 2021	COOKING DEVICE AND COMPONENTS THEREOF

In accordance with 37 C.F.R. § 1.98(d)(1) foreign patents and non-patent literature on the attached PTO/SB/08, the references are not supplied because they were previously cited by or submitted to the Office in prior application numbers 17/159,414 filed January 27, 2021, 17/219,238 filed March 31, 2021 and relied on in the above-identified application for an earlier effective filing date under 35 U.S.C. § 120.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to the patentability as defined in 37 C.F.R. § 1.56(b).

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

All fees due are believed to be paid. The Director is hereby authorized to charge any deficiency in the fees filed with this paper, asserted to be filed with this paper, or which should have been filed with this paper, to our Deposit Account No. 50-0311, under Order No. 057664-348C02US from which the undersigned is authorized to draw.

Dated: July 18, 2022

Respectfully submitted,

Electronic signature: / Ryan Rieker/
Ryan Rieker
Registration No.: 80,734
MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
(617) 348-3054
Attorney for Applicant

Electronic Acknowledgement Receipt

EFS ID:	46206993
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Ryan Rieker
Filer Authorized By:	
Attorney Docket Number:	057664-348C02US
Receipt Date:	18-JUL-2022
Filing Date:	10-JUN-2022
Time Stamp:	08:37:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	057664-348C02US_17837768_Docketed_New_Case_IDS_Jul_18_2022.pdf	1298244 ff0703972ea4ea514525c6c47400813d2991d7e7	no	26

Warnings:

Information:					
2	Transmittal Letter	057664-348C02US_17837768_Docketed_New_Case_IDS_Transmittal.pdf	164912 ed0cfca8baa7e1269ee9e625dccba2ba95a022fa	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	1463156	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/837,768	06/10/2022	Christopher T. Martin	057664-348C02US	9530

177399 7590 07/13/2022

Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

EXAMINER
CENTRAL, DOCKET

ART UNIT	PAPER NUMBER
3761	

NOTIFICATION DATE	DELIVERY MODE
07/13/2022	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPDocketingBOS@mintz.com
IPFileroombos@mintz.com
mintzdocketing@cpaglobal.com

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 17/837,768	**Applicant(s)** Martin et al.	
	Examiner FIKIRTE A GEREMEW	**Art Unit** OMBL	**AIA (FITF) Status** Yes

1. THE REQUEST FILED 10 June 2022 IS **GRANTED** .

   The above-identified application has met the requirements for prioritized examination
   - A. ☑ for an original nonprovisional application (Track I).
   - B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:
   - A. filing a **petition for extension of time** to extend the time period for filing a reply;
   - B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;
   - C. filing a **request for continued examination** ;
   - D. filing a notice of appeal;
   - E. filing a request for suspension of action;
   - F. mailing of a notice of allowance;
   - G. mailing of a final Office action;
   - H. completion of examination as defined in 37 CFR 41.102; or
   - I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to FIKIRTE GEREMEW at (703) 756-1930. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/FIKIRTE A GEREMEW/ PROGRAM SUPPORT ASSISTANT, OMBL	

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/837,768	06/10/2022	3761	1820	057664-348C02US	20	3

CONFIRMATION NO. 9530

177399
Mintz Levin/SharkNinja
One Financial Center
Boston, MA 02111

FILING RECEIPT

OC000000134596014

Date Mailed: 06/17/2022

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Christopher T. Martin, North Attleboro, MA;
Thomas Guerin, Boston, MA;
Roger Neil Jackson, Cornwall, UNITED KINGDOM;
Joshua D. Anthony, North Billerica, MA;
Kerry Schwarz, Needham, MA;
Michaela Dubeau, Uxbridge, MA;

Applicant(s)

SHARKNINJA OPERATING LLC, Needham, MA

Power of Attorney: The patent practitioners associated with Customer Number 177399

Domestic Priority data as claimed by applicant

This application is a CON of 17/219,238 03/31/2021 ABN
which is a CON of 17/159,414 *
which is a 371 of PCT/US2020/042120 07/15/2020
which claims benefit of 62/874,193 07/15/2019
(*)Data provided by applicant is not consistent with PTO records.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 06/16/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/837,768**

Projected Publication Date: 09/22/2022

Non-Publication Request: No

Early Publication Request: Yes

Title

COOKING DEVICE AND COMPONENTS THEREOF

Preliminary Class

219

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/837,768

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 480 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1820

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE($)	ADDITIONAL FEE($)		RATE($)	ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

PTO/AIA/82A (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	Not yet assigned
Filing Date	Filing Concurrently Herewith
First Named Inventor	Christopher T. Martin
Title	COOKING DEVICE AND COMPONENTS THEREOF
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	057664-348C02US

SIGNATURE of Applicant or Patent Practitioner

Signature	/Lisa Adams/	Date (Optional)	June 10, 2022
Name	Lisa Adams	Registration Number	44,238
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

[x] I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 177399

OR

[ ] I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

[x] The address associated with the above-mentioned Customer Number

OR

[ ] The address associated with Customer Number:

OR

[ ] Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

SharkNinja Operating LLC

[ ] Inventor or Joint Inventor (title not required below)

[ ] Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

[x] Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

[ ] Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	1-28-2021
Name	William B. Lacy, Ph.D.		
Title	VP / Senior Associate GC		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

[ ] Total of 1 forms are submitted.

COOKING DEVICE AND COMPONENTS THEREOF

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of U.S. Patent Application No. 17/219,238, filed on March 31, 2021, and entitled "Cooking Device and Components Thereof," which is a continuation of U.S. Application No. 17/159,414, filed January 27 2021, and entitled "Cooking Device and Components Thereof," which is a 371 U.S. National Stage application of PCT/US2020/042120, filed July 15, 2020, which claims the benefit of U.S. Provisional Application No. 62/874193, filed July 15, 2019, each of which is hereby incorporated by reference herein in their entireties.

BACKGROUND

[0002] Embodiments of the present disclosure relate generally to a cooking system, and more specifically, to a countertop cooking system operable in a plurality of distinct cooking modes.

SUMMARY

[0003] According to an embodiment, cooking system includes a housing having at least one internal compartment and a cooking container receivable within said at least one internal compartment. A cooking volume is defined within an interior of said cooking container. A bottom surface of said cooking container is angled upwardly. A heating element is associated with said at least one internal compartment.

[0004] In addition to one or more of the features described above, or as an alternative, in further embodiments said bottom surface of said cooking container is oriented at an angle to a surface for supporting the cooking system.

[0005] In addition to one or more of the features described above, or as an alternative, in further embodiments said bottom surface of said cooking container is not orthogonal to a back wall of said cooking container.

[0006] In addition to one or more of the features described above, or as an alternative, in further embodiments said cooking container includes a front wall and a back wall, and a height of said

cooking container adjacent said back wall of said cooking container is greater than a height of said cooking container adjacent said front wall of said cooking container.

[0007] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising an insert positionable within said interior of said cooking container, said insert including a food support surface having at least one opening formed therein.

[0008] In addition to one or more of the features described above, or as an alternative, in further embodiments said insert at least partially defines said cooking volume within said interior of said cooking container.

[0009] In addition to one or more of the features described above, or as an alternative, in further embodiments said food support surface has a generally horizontal orientation when said insert is arranged within said interior of said cooking container.

[0010] In addition to one or more of the features described above, or as an alternative, in further embodiments said food support surface is offset from said bottom surface of said cooking container by a clearance.

[0011] In addition to one or more of the features described above, or as an alternative, in further embodiments said clearance defined between said food support surface and said bottom surface of said cooking container varies over at least one dimension of the cooking container.

[0012] In addition to one or more of the features described above, or as an alternative, in further embodiments said insert further comprises at least one protrusion and said bottom surface of said cooking container further comprises at least one channel, said at least one protrusion being positioned within said at least one channel when said insert is properly installed in said interior of said cooking container.

[0013] In addition to one or more of the features described above, or as an alternative, in further embodiments an air duct separate from said cooking volume is defined between said insert and a portion of said cooking container.

[0014] In addition to one or more of the features described above, or as an alternative, in further embodiments said insert further comprises a blocking wall arranged at an angle to said food

support surface and said air duct is defined between said blocking wall and a back wall of said cooking container.

[0015] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising an air movement mechanism disposed in said housing.

[0016] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising a motor operable to rotate said air movement mechanism about an axis of rotation, wherein said motor is located at least partially external to said at least one internal compartment.

[0017] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism further comprises a fan housing having a first inlet, a second inlet and an outlet, the first inlet and the second inlet being arranged in fluid communication with said outlet and a fan wheel rotatably mounted within said fan housing.

[0018] In addition to one or more of the features described above, or as an alternative, in further embodiments said fan wheel includes a first wheel portion having a first plurality of impeller blades and a second wheel portion having a second plurality of impeller blades.

[0019] According to an embodiment, a cooking system includes a housing having at least one internal compartment, a cooking container receivable within said at least one internal compartment, a cooking volume being defined within an interior of said cooking container, and a heating element associated with said at least one internal compartment. An air movement mechanism is disposed in said housing. The air movement mechanism is rotatable about an axis of rotation oriented relatively horizontally.

[0020] In addition to one or more of the features described above, or as an alternative, in further embodiments said axis of rotation is oriented substantially perpendicular to a flow provided at an outlet of said air movement mechanism towards a relative bottom of said housing.

[0021] In addition to one or more of the features described above, or as an alternative, in further embodiments said cooking container is movable relative to said housing along an axis of translation, and said axis of rotation is oriented perpendicularly to said axis of translation.

[0022] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism includes a first inlet, a second inlet, and an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet.

[0023] In addition to one or more of the features described above, or as an alternative, in further embodiments an air duct separate from said cooking volume is defined within said cooking container, and said outlet of said air movement mechanism is aligned with said air duct.

[0024] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising a motor operable to rotate said air movement mechanism about said axis or rotation, wherein said motor is located at least partially external to said at least one internal compartment.

[0025] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism further comprises a fan housing and a fan wheel rotatably mounted within said fan housing.

[0026] In addition to one or more of the features described above, or as an alternative, in further embodiments said fan wheel includes a first wheel portion having a first plurality of impeller blades and a second wheel portion having a second plurality of impeller blades.

[0027] In addition to one or more of the features described above, or as an alternative, in further embodiments a configuration of said first plurality of impeller blades is substantially identical to a configuration of said second plurality of impeller blades.

[0028] In addition to one or more of the features described above, or as an alternative, in further embodiments a configuration of said first plurality of impeller blades is different than a configuration of said second plurality of impeller blades.

[0029] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism is disposed vertically above said cooking volume.

[0030] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism is disposed vertically above said cooking container.

[0031] In addition to one or more of the features described above, or as an alternative, in further embodiments an insert positionable within said interior of said cooking container, wherein a portion of said air movement mechanism is disposed in vertical alignment with said insert.

[0032] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism is horizontally offset from said heating element.

[0033] According to an embodiment, a cooking system includes a housing having at least one internal compartment, and a cooking container receivable within said at least one internal compartment. A cooking volume is defined within an interior of said cooking container. A heating element associated with said cooking volume. A rotatable air movement mechanism has a first inlet arranged in a first plane of said air movement mechanism and a second inlet arranged in a second plane of said air movement mechanism, said second plane being distinct from said first plane. An outlet of the air movement mechanism is arranged in fluid communication with both said first inlet and said second inlet.

[0034] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism is rotatable about an axis of rotation and during operation of said air movement mechanism, said first inlet and said second inlet being fixed relative to said axis of rotation.

[0035] In addition to one or more of the features described above, or as an alternative, in further embodiments said cooking container is movable relative to said housing along an axis of translation, and said axis of rotation is oriented perpendicularly to said axis of translation.

[0036] In addition to one or more of the features described above, or as an alternative, in further embodiments said first plane and said second plane are substantially parallel.

[0037] In addition to one or more of the features described above, or as an alternative, in further embodiments said first plane is defined at a first side of said air movement mechanism and said second plane is defined at a second side of said air movement mechanism.

[0038] In addition to one or more of the features described above, or as an alternative, in further embodiments said second side is opposite said first side.

[0039] In addition to one or more of the features described above, or as an alternative, in further embodiments an air duct separate from said cooking volume is defined within said cooking container, and said outlet of said air movement mechanism is aligned with said air duct.

[0040] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising a motor operable to rotate said air movement mechanism about an axis or rotation, wherein said motor is located at least partially external to said at least one internal compartment.

[0041] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism further comprises a fan housing and a fan wheel rotatably mounted within said fan housing.

[0042] In addition to one or more of the features described above, or as an alternative, in further embodiments said fan wheel includes a first wheel portion having a first plurality of impeller blades and a second wheel portion having a second plurality of impeller blades.

[0043] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism is positioned vertically above at least one of said cooking volume and said cooking container.

[0044] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising an insert positionable within said interior of said cooking container, wherein a portion of said air movement mechanism is disposed in vertical alignment with said insert.

[0045] In addition to one or more of the features described above, or as an alternative, in further embodiments said air movement mechanism is horizontally offset from said heating element.

[0046] According to yet another embodiment, a cooking system includes a housing having at least one internal compartment and a cooking container receivable within said at least one internal compartment. A cooking volume is defined within an interior of said cooking container. A heating element is associated with said cooking volume. A plurality of air movement mechanism is disposed within said housing and a motor is operably coupled to said plurality of

air movement mechanisms.

[0047] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor is located externally to said at least one internal compartment.

[0048] In addition to one or more of the features described above, or as an alternative, in further embodiments said plurality of air movement mechanisms includes a first air movement mechanism and a second air movement mechanism.

[0049] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor includes a first output shaft and a second output shaft, said first air movement mechanism being operably coupled to said first output shaft and said second air movement mechanism being operably coupled to said second output shaft.

[0050] In addition to one or more of the features described above, or as an alternative, in further embodiments said first air movement mechanism and a second air movement mechanism are arranged coaxially.

[0051] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor operates said first air movement mechanism at a first speed and said motor operates said second air movement mechanism at a second speed, said first speed and said second speed being substantially identical.

[0052] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor operates said first air movement mechanism at a first speed and said motor operates said second air movement mechanism at a second speed, said first speed being different than said second speed.

[0053] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one internal compartment includes a first internal compartment and a second internal compartment, said first internal compartment being fluidly separate from said second internal compartment.

[0054] In addition to one or more of the features described above, or as an alternative, in further embodiments said first air movement mechanism is positioned within said first internal

compartment and said second air movement mechanism is positioned within said second internal compartment.

[0055] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor is positioned between said first internal compartment and said second internal compartment.

[0056] According to yet another embodiment, a cooking system includes a housing having at first internal compartment and a second internal compartment. At least one cooking container is receivable within one of said first internal compartment and said second internal compartment. At least one cooking volume is defined within an interior of said at least one cooking container. At least one heating element disposed in said housing.

[0057] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one cooking container is a first cooking container receivable within said first internal compartment and a second cooking container receivable within said second internal compartment, wherein a first cooking volume is defined within an interior of said first cooking container and a second cooking volume is defined within an interior of said second cooking container.

[0058] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one heating element includes a first heating element positioned within said first internal compartment and a second heating element positioned within said second internal compartment.

[0059] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising at least one air movement mechanism disposed within said housing.

[0060] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one air movement mechanism is stacked vertically relative to said at least one heating element within said housing.

[0061] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one air movement mechanism includes a first inlet, a second inlet, and

an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet.

[0062] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one air movement mechanism further comprises: a fan housing and a fan wheel rotatably mounted within said fan housing.

[0063] In addition to one or more of the features described above, or as an alternative, in further embodiments said fan wheel includes a first wheel portion having a first plurality of impeller blades and a second wheel portion having a second plurality of impeller blades.

[0064] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one air movement mechanism includes a first air movement mechanism associated with said first internal compartment and a second air movement mechanism associated with said second internal compartment.

[0065] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one air movement mechanism has an axially oriented inlet and a radially oriented outlet.

[0066] In addition to one or more of the features described above, or as an alternative, in further embodiments said at least one air movement mechanism is rotatable about a vertically oriented axis.

[0067] In addition to one or more of the features described above, or as an alternative, in further embodiments comprising a motor operably coupled to said at least one air movement mechanism.

[0068] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor is located externally from said first internal compartment and said second internal compartment.

[0069] In addition to one or more of the features described above, or as an alternative, in further embodiments said motor is positioned between said first internal compartment and said second internal compartment.

[0070] In addition to one or more of the features described above, or as an alternative, in further embodiments said first cooking container and said second cooking container are individually insertable into said first cooking compartment and said second cooking compartment respectively.

[0071] In addition to one or more of the features described above, or as an alternative, in further embodiments said first internal compartment and said second internal compartment are fluidly separate.

[0072] In addition to one or more of the features described above, or as an alternative, in further embodiments said first cooking volume and said second cooking volume are fluidly separate.

[0073] According to another embodiment, a cooking system includes a housing having at least one internal compartment and a cooking container receivable within said at least one internal compartment. A cooking volume is defined within an interior of said cooking container. A heating element is associated with said at least one internal compartment and an air movement mechanism is disposed in said housing. The air movement mechanism is positioned vertically above said cooking volume and horizontally offset from said heating element.

BRIEF DESCRIPTION OF THE FIGURES

[0074] The accompanying drawings incorporated in and forming a part of the specification embodies several aspects of the present disclosure and, together with the description, serves to explain the principles of the disclosure. In the drawings:

[0075] FIG. 1 is a schematic diagram of a cooking system having a cooking container installed therein according to an embodiment;

[0076] FIG. 2 is a schematic diagram of the cooking system of FIG. 1 absent the cooking container according to an embodiment;

[0077] FIG. 3 is a schematic diagram of another cooking system absent the cooking container according to an embodiment;

[0078] FIG. 4 is a cross-sectional view of a portion of a cooking system according to an

embodiment;

[0079] FIG. 5 is a perspective view of a portion of a cooking system according to an embodiment;

[0080] FIG. 6 is a perspective view of a fan wheel of an air movement mechanism of the cooking system according to an embodiment;

[0081] FIG. 7 is a schematic diagram of a control system of the cooking system according to an embodiment;

[0082] FIG. 8 is a front perspective view of a portion of the cooking system according to another embodiment;

[0083] FIG. 9 is a front view of the portion of the cooking system of FIG. 8 according to an embodiment;

[0084] FIG. 10 is a rear perspective view of the portion of the cooking system of FIG. 8 according to an embodiment;

[0085] FIG. 11 is a perspective view of a motor of the cooking system of FIG. 8 according to an embodiment;

[0086] FIG. 12 is a schematic diagram of the motor and the air movement mechanisms of the cooking system according to an embodiment;

[0087] FIG. 13 is a perspective view of the cooking system according to another embodiment;

[0088] FIG. 14 is a plan view of the cooking system of FIG. 13, with the cooking containers removed according to an embodiment; and

[0089] FIG. 15 is a perspective cross-sectional view of the cooking system of FIG. 13 according to an embodiment.

DETAILED DESCRIPTION

[0090] With reference now to the FIGS., an example of a cooking system 20 is illustrated at

numeral 20. As best shown in FIGS. 1 and 2, the cooking system 20 includes a housing 22 having an exterior heat resistant or non-conductive surface 24 and an interior surface 26 that defines an at least partially hollow compartment 28 arranged within an interior of the housing 22. The housing 22 may be formed as a single unitary body, or alternatively, may be formed by connecting a plurality of pieces together. In addition, the housing 22 may be made of any suitable material, including but not limited to glass, aluminum, plastic, or stainless steel for example. A liner 30 may be disposed within at least a portion of the housing 22. The liner 30 may be formed from any suitable conductive material, such as aluminum for example. In an embodiment, the liner 30 forms at least a portion of the interior surface 26 and thereby defines at least a portion of the internal compartment 28 of the housing 22. However, it should be understood that other components of the cooking system 20, or surfaces thereof, may also define the internal compartment 28.

[0091] A cooking container 32 is receivable within a portion of the internal compartment 28 of the housing 22, such as a bottom portion of the internal compartment 28 for example. Although the cooking container 32 is described herein as being separable from the housing 22, embodiments where the cooking container 32 is movably connected with or integrally formed with the housing 22 are also contemplated herein. The cooking container 32 may be a pot formed from a ceramic, metal, or die cast aluminum material. However, any suitable material capable of withstanding the high temperatures required for cooking food products are also within the scope of the disclosure. In an embodiment, the cooking container 32 is configured to translate along an axis relative to the housing 22 such that the cooking container 32 is slidably received within an opening 34 formed in a wall 36 of the housing 22. Accordingly, in such embodiments, a size and shape of the cooking container 32 may be complementary to the size and shape of the opening 34. In the illustrated, non-limiting embodiment, the cooking container 32 is generally square in shape. However, in other embodiments, the cooking container 32 may have another configuration.

[0092] The cooking container 32 has a generally hollow interior 38 for supporting one or more consumable products, such as food products for example, therein. Examples of food products suitable for use with the cooking system 20, include but are not limited to, meats, fish, poultry, bread, rice, grains, pasta, vegetables, fruits, and dairy products, among others.

[0093] At least one handle 40 may be associated with the cooking container 32 to allow a user to easily grasp and manipulate the cooking container 32 relative to the housing 22. In the illustrated, non-limiting embodiment, the cooking container 32 includes a single handle 40 extending from a first, front surface 42 of the cooking container 32. Although the cooking container 32 illustrated and described herein has a single handle 40, in other embodiments, the cooking container 32 may have two or more handles, or alternatively, a handle or groove formed into a surface of the cooking container 32. Any suitable configuration of the cooking container 32 and/or handle(s) 40 is within the scope of the disclosure.

[0094] One or more inserts or food support structures 50 may be positionable within the interior 38 of the cooking container 32. In such embodiments, the insert 50 provides a surface on which food is supported. An example of an insert 50 suitable for use with the cooking container 32 is best shown in FIGS. 4 and 5. As shown, the insert 50 includes a solid blocking wall 52 and a food support surface 54 having a plurality of perforations or openings 56 formed therein. In the illustrated, non-limiting embodiment, the blocking wall 52 and the food support surface 54 are arranged generally perpendicular to one another. Although the insert 50 is shown as being an L-shaped plate, in other embodiments, the insert 50 may include additional side walls such that the insert 50 is a basket for example. When the insert 50 is installed within the interior 38 of the cooking container 32, the blocking wall 52 and the food support surface 54 of the insert 50 cooperate with one or more walls of the cooking container 32 to define an area there between referred to herein as a "cooking volume." Further, in embodiments where an insert is not disposed within the cooking container 32, the interior 38 of the cooking container 32 may define the cooking volume.

[0095] In the illustrated, non-limiting embodiment, the bottom surface 58 of the cooking container 32 is sloped relative to a bottom surface of the housing 22 or to a surface on which the cooking system 20 may be positioned and supported. As shown, the slope extends generally upwardly towards a front wall 60 of the cooking container 32. As a result, a height of the interior 38 of the cooking container 32 adjacent a back wall 62 is greater than a height of the interior 38 of the cooking container 32 adjacent the front wall 60 thereof. When the insert 50 is installed within the interior 38 of the cooking container 32, the food support surface 54 has a generally horizontal orientation. As shown, the insert 50 may include one or more protrusions 64, such as

tabs for example, configured to contact the bottom surface 58 of the cooking container 32 to achieve this desired orientation. The food support surface 54 is therefore at least partially offset from the bottom surface 58 of the cooking container 32. Because of the angled configuration of the bottom surface 58 of the cooking container 32, the clearance 66 between the bottom surface 58 and the food support surface 54, varies, and more specifically, gradually decreases from a back to a front of the cooking container 32.

[0096] The insert 50 and the bottom surface 58 of the cooking container 32 may cooperate to properly position the insert within the interior 38 such that the blocking wall 52 of the insert 50 is offset from the back wall 62 of the cooking container 32. This clearance between the blocking wall 52 and the back wall 62 defines an air duct 74 within the cooking container 32, separate from the cooking volume, and through which air is circulated during operation of the cooking system 20. In an embodiment, a contour of the cooking container 32 facilitates positioning of the insert 50 relative to the cooking container 32. As previously described, one or more protrusions 64 extend from a bottom surface of the insert 50, and as best shown in FIGS. 4 and 5, the bottom surface 58 of the cooking container 32 may be contoured to define one or more channels 68 therein. When the insert 50 is positioned within the cooking container 32, the one or more protrusions 64 are received within the one or more channels 68. The engagement between the at least one protrusion 64 and the sidewalls of the channel(s) 68 properly positions the insert 50 within the cooking container 32 to create a suitably sized air duct 74.

[0097] The cooking system 20 additionally includes at least one heating element 70 operable to impart heat to the cooking volume during one or more modes of operation of the cooking system 20. In the illustrated, non-limiting embodiment best shown in FIGS. 1, 2 and 4-5, the at least one heating element 70 is positioned within the internal compartment 28, generally at or above an upper extent or surface 72 of the cooking container 32, such as proximate a center of the cooking container 32 for example. In an embodiment, the heating element 70 is disposed adjacent a center of the cooking volume and/or the cooking container 32. In such embodiments, the at least one heating element 70 is mounted completely outside of the cooking container 32, and vertically offset from the upper extent or surface 72 thereof. In another embodiment, best shown in FIG. 3, the at least one heating element 70 may be located adjacent the rear of the internal compartment 28, such as in vertical alignment with the air duct 74 formed between the blocking

wall 52 of the insert 50 and the back wall 62 of the cooking container 32. However, it should be understood that a heating element 70 located at any suitable location is within the scope of the disclosure.

[0098] The at least one heating element 70 may be capable of performing any suitable type of heat generation. For example, a heating element 70 configured to heat one or more food items located within the cooking volume of the cooking container 32 via conduction, convection, radiation, and induction are all within the scope of the disclosure. In the illustrated, non-limiting embodiment, the heating element 70 is a convective heating element, and the cooking system 20 additionally includes an air movement mechanism 76, such as a fan for example, operable to circulate air through the cooking volume. The air is heated as it flows along a path of circulation, such as by flowing over a portion of the at least one heating element 70. As shown, the air movement mechanism 76 is located within the internal compartment 28 at a position entirely above the upper extent 72 of the cooking container 32. In addition, at least a portion of the air movement mechanism 76, and in some embodiment, the entirety of the air movement mechanism 76, is disposed vertically above the cooking volume, and therefore the insert 50. As shown, the air movement mechanism 76 is horizontally offset from the at least one heating element 70. However, embodiments where the air movement mechanism 76 vertically or horizontally overlaps or is aligned with the at least one heating element 70 are also contemplated herein.

[0099] The air movement mechanism 76, or at least a portion thereof may be removable from the internal compartment. In the illustrated, non-limiting embodiment, the air movement mechanism 76 is driven by a motor 78 located at least partially externally to the internal compartment 28. Further, the cooking system 20 may include a vent 80 for exhausting hot air generated by operation of at least one of the air movement mechanism 76 or the motor 78 to the exterior of the cooking system 20. Although the vent 80 is illustrated as being formed at the rear of the internal compartment 28, embodiments where the vent 80 is formed at another location are also contemplated herein.

[0100] An example of the air movement mechanism 76 is illustrated in more detail in FIGS. 5 and 6. In the illustrated, non-limiting embodiment, the air movement mechanism 76 includes a

fan wheel 82 positioned within a fan housing 84. As shown, the fan wheel 82 is configured to rotate about an axis X oriented generally horizontally, and in some embodiments, the axis of the fan wheel is oriented perpendicular to the translational axis along which the cooking container 32 is configured to move relative to the housing 22. The fan housing 84 has an outer wall 86 having a scroll-shaped length, a first sidewall 88 including a first inlet aperture 90 and a second sidewall (not shown) including a second inlet aperture. Although the outlet opening 92 of the fan housing 84 is illustrated as being generally rectangular in shape, embodiments where the outlet opening 92 is another shape are also contemplated herein.

[0101] With specific reference now to FIG. 6, the fan wheel 82 is typically formed with first wheel portion 94 and a second wheel portion 96. Both the first wheel portion 94 and the second wheel portion 96 function as an air inlet and are configured to provide air to a single plenum. The air inlet defined by the first wheel portion 94 is arranged in a first plane at a first side of the air movement mechanism 76 and the air inlet defined by the second wheel portion 96 is arranged in a second plane at a second side of the air movement mechanism 76, the first and second planes being generally parallel. Accordingly, the air inlets defined by the first and second wheel portions 94, 96 remain generally fixed relative to both the fan housing 84 and an axis of rotation of the fan wheel 82. The first wheel portion 94 includes a first plurality of impeller blades 98 and the second wheel portion 96 similarly includes a second plurality of impeller blades 100. One or both of the first plurality and the second plurality of impeller blades 98, 100 may have a backward curved configuration, a forward curved configuration, or another configuration.

[0102] With reference now to FIG. 7, a control panel or user interface 102 may be positioned at an exterior surface of the housing 22. The control panel 102 includes one or more inputs 104 associated with energizing the heating element 70 of the cooking system 20 and for selecting various modes of operation of the cooking system 20. One or more of the inputs 104 may include a light or other indicator to show that the respective input has been selected. The control panel 102 may additionally include a display 106 separate from and associated with the at least one input 104. However, embodiments where the display 106 is integrated into the at least one input 104 are also contemplated herein.

[0103] Operation of the one or more inputs 104 will be described in more detail below. FIG. 7

illustrates an example of a control system 108 of the cooking system 20 including a controller or processor 110 for controlling operation of the heating element 70 and air movement device 76 (including the motor 78 associated therewith), and in some embodiments for executing stored sequences of heating operation. The processor 110 is operably coupled to the control panel 102 and to the heating element 70 and the air movement mechanism 76.

[0104] In addition, the cooking system 20 may include one or more sensors S for monitoring one or more parameters associated with the temperature of the heating element 70, the cooking volume, the airflow being delivered to the cooking volume and/or and the insert 50 positioned within the cooking container 32 during a cooking operation. Accordingly, operation of the cooking system 20, and in particular of the one or more heating elements 70, may be regulated in response to the parameters sensed by the one or more sensors S. In an embodiment, the one or more sensors S includes a temperature sensor arranged in communication with the processor 110. In an embodiment, the temperature sensor(s) S, such as a negative temperature coefficient (NTC) sensor for example, is positioned adjacent the rear of the internal compartment 28, upstream from the air duct 74 defined between the back wall 62 of the cooking container 32 and the blocking wall 52 of the insert 50. In embodiments of the cooking system 20 including one or more temperature sensors S, adjustment of an operating parameter, such as operation of the heating element 70 for example, may be performed using the control algorithm in response to the temperature of the heated airflow, measured by the temperature sensor S disposed in the heated airflow. For example, power provided to the heating element 70 may be increased if the sensed airflow temperature is below a set point, and the power provided to the heating element 70 may be reduced or ceased completely if the sensed airflow temperature is above a set point, thereby allowing the cooking volume to cool.

[0105] In an embodiment, the air movement mechanism 76 of the cooking system 20 is a variable speed fan operable at a plurality of rotational speeds. In an embodiment, the operational speed of the air movement mechanism 76 may vary based on the cooking mode selected. For example, the speed of the air movement mechanism 76 during operation in a first cooking mode may be different than the speed of the air movement mechanism 76 during operation in a second cooking mode. The operational speed of the air movement mechanism 76 may be controlled by the processor 110 in response to one or more inputs 104, including selection of a cooking mode.

However, the processor 110 may also be configured to adjust the operational speed of the air movement mechanism 76, or alternatively, the power supplied to the at least one heating elements 70 to control the temperature and/or pressure within the interior 38 of the cooking container 32.

[0106] In an embodiment, at least one input 104 on the control panel 102 is an on/off button which allows the user to activate or deactivate the control panel 102. When the control panel 102 is deactivated, the one or more heating elements 70 are not energized. In an exemplary embodiment, the at least one input 104 is operable to select one or more manual modes of operation of the heating element 70. Alternatively, or in addition, at least one input 104 is operable to select a stored sequence of operation of the heating element 70. In some cases, the stored sequences may be particularly well suited for a given method of food preparation and/or for particular ingredients or types of ingredients. The plurality of stored sequences associated with the at least one input 104 may be stored within a memory accessible by the processor 110. Alternatively, the plurality of stored sequences may be stored remotely from the cooking system 20, and may be accessed by the processor 110, such as via wireless communication for example.

[0107] In addition, a user may be able to enter a time associated with operation of the cooking system 20 in a desired manual mode. The time may be entered via the same input 104 or a separate input 104 as used to select a mode of operation. Further in embodiments where the cooking system 20 is in a mode configured to perform a stored sequence in response to selection of one of the inputs 104, the display 106 may indicate a time remaining. Temperature or other parameters may also be entered via inputs 104 and/or shown on the display 106.

[0108] The at least one input 104 may include a distinct start button intended to initiate operation in a desired mode, a distinct stop button to cease all operation, or a stop/start button intended to initiate and cease functions. Alternatively, the cooking system 20 may be operable to automatically start operation after a predetermined time has elapsed once an input 104 has been selected and any necessary information has been provided to the control panel 102. Alternatively, one or more of the other inputs 104 may be operable to start and stop operation of the cooking system 20, regardless of whether the cooking system 20 is following a stored sequence or is in a manual mode.

[0109] As previously noted, the one or more inputs 104 may be operable to initiate operation of the cooking system 20 in a plurality of cooking modes. In an embodiment, the cooking system 20 is operable in a cooking mode where the heating element 70 is employed to perform a non-contact heating operation, such as a convective or radiative heating operation. Suitable cooking operations that may be performed in this first cooking mode include, but are not limited to air frying, broiling, baking/roasting, and dehydrating.

[0110] During operation in the first cooking mode, the air movement mechanism 76 is operable to circulate a heated air flow through the cooking volume. As previously described, the air movement mechanism 76 is operable to draw air upwards, through the adjacent heating element 70 and into the two inlets arranged at opposing sides of the fan wheel 82. The heated air is expelled outwardly from the outlet opening 92 of the fan housing 84 in a single direction. In the illustrated, non-limiting embodiment, the air output from the air movement mechanism 76 is provided within a plane directed downwardly into the cooking container 32. In the illustrated, non-limiting embodiment, the outlet opening 92 arranged directly adjacent the upper extent 72 of the cooking container 32, such that the air is expelled from the outlet opening 92 directly into the air duct 74 formed within the cooking container 32. Once the heated air reaches the bottom surface 58 of the cooking container 32, the hot air will be deflected off the bottom surface 58 towards the cooking volume. Because the bottom surface 58 of the cooking container 32 is sloped, the interaction between the heated air and the sloped bottom surface 58 directs the heated air both forwards and upwardly, causing the air to evenly distribute from the back to the front of the cooking container 32 before passing through the openings 56 formed in the food support surface 54 of the insert 50. The hot air is drawn by the air movement mechanism 76 through the openings 56 and over the exterior of the food items positioned on the food support surface 54. From within the cooking volume, the air is then drawn back into one of the inlets of the air movement mechanism 76 for further circulation within the interior 28.

[0111] With reference now to FIGS. 8-15, in an embodiment of the cooking system 20, the housing 22 includes a plurality of internal compartments arranged within the interior of the housing 22. For example, as best shown in FIGS. 8, 14, and 15, the housing 22 is illustrated as having a first internal compartment 28a and a second internal compartment 28b, separated from one another at least in part by a divider or wall 130. The divider 130 extends vertically from a

base of the housing or liner 30 and forms a sidewall of a bottom portion of two adjacent internal compartments 28a, 28b. In an embodiment, the divider 130 extends to a lower edge of an upper portion of each internal compartment 28a, 28b, the upper portion of each internal compartment containing the respective heating element 70a, 70b, and air movement mechanism 76a, 76b associated therewith. As shown, the plurality of internal compartments 28a, 28b (both the upper and lower portions) are fluidly separate from one another. Although two internal compartments 28a, 28b are illustrated and described herein, it should be understood that embodiments including any number of internal compartments, such as more than two compartments are also within the scope of the disclosure. The plurality of internal compartments 28a, 28b may be substantially similar in size and shape, or alternatively, may be different.

[0112] Each of the internal compartments 28a, 28b formed in the housing 22 may be substantially identical to the internal compartment 28 previously described with respect to FIGS. 1-6. More specifically, a respective cooking container 32a, 32b is insertable into each internal compartment 28a, 28b, and an insert 50a, 50b may be removably installed within the interior 38a, 38b of each cooking container 32a, 32b. In addition, each internal compartment 28a, 28b includes at least one heating element 70a, 70b and an air movement mechanism 76a, 76b configured to circulate air through the internal compartment 28a, 28b, respectively. The components associated with operation of each internal compartment, such as the heating element and air movement mechanism are also independently operable and fluidly separate from the components of the adjacent internal compartment.

[0113] In the non-limiting embodiment of FIGS. 14 and 15, each air movement mechanism 76a, 76b is illustrated as a fan wheel or impeller 82 that is configured to rotate about a generally vertically oriented axis. The air movement mechanisms 76a, 76b need not include a separate housing as previously described with respect to the embodiment of FIGS. 1-6. As shown, the air movement mechanisms 76a, 76b may be stacked vertically relative to the heating element 70a, 70b such that a flow of air is configured to flow from the heating element 70a, 70b directly to the air movement mechanism 76a, 76b sequentially. The axial flow of air provided to the inlet of the air movement mechanism 76a, 76b is expelled from the impeller 82a, 82b radially, adjacent the sides of the internal compartment 28. Although this configuration of the air movement mechanism 76a, 76b is illustrated with respect to an embodiment of the cooking system 20

including a plurality of fluidly distinct internal compartments 28a, 28b, it should be understood that such an air movement mechanism 76 may also be used in embodiments of the cooking system 20 including only a single internal compartment 28.

[0114] As noted above, the cooking system 20 includes a motor 78 located external to the internal compartment 28 and operable to rotate an air movement mechanism 76 about an axis of rotation X. In embodiments of the cooking system 20 including two distinct internal compartments, a single motor 78 may be used to drive both a first air movement mechanism 76a associated with the first internal compartment 28a and a second air movement mechanism 76b associated with the second internal compartment 28b. In such embodiments, the motor 78 may be disposed within the housing 22 between the first and second compartments 28a, 28b, such that the first air movement mechanism 76a is mounted to a first output shaft 120 extending from a first side of the motor 78 and the second air movement mechanism 76b is mounted to a second output shaft 122 extending from a second side of the motor 78. As a result, the first air movement mechanism 76a and the second air movement mechanism 76b may be positioned coaxially (see FIG. 10). However, embodiments, where the axis of rotation X1 of the first air movement mechanism 76a is offset from the axis of rotation X2 of the second air movement mechanism 76b are also contemplated herein.

[0115] Because a single motor 78 is used to drive the both the first and second air movement mechanisms 76a, 76b, in an embodiment, both the first and second air movement mechanisms 76a, 76b are driven about their axes, even when only one of the first and second internal compartment 28a, 28b is being used to perform a cooking operation. Accordingly, an air movement mechanism 76 may rotate about its axis even when the adjacent heating mechanism 70 associated therewith is non-operational. In other embodiments, the first and second air movement mechanisms 76a, 76b may be independently operable via a shared motor 78. Further, in an embodiment, the motor 78 is operable to rotate the first and second air movement mechanisms 76a, 76b, at the same speed. However, embodiments where the first and second air movement mechanisms 76a, 76b, are rotated at different speeds, such as via a coupling for example, are also within the scope of the disclosure.

[0116] However, it should be understood that embodiments of the cooking system 20 that

include a separate motor assocaited with each internal compartment are also within the scope of the disclosure. For example, as shown in FIG. 15, the system 20 includes two separate motors 78a, 78b configured to operate the air movement mechanisms 76a, 76b associated with the first and second internal compartments 28a, 28b independently. In such embodiments, each motor 78a, 78b may be located external to the internal compartment 28, for example in a vertically stacked configuration relative to the heating elements 70a, 70b, and the air movement mechanisms 76a, 76b. In such embodiments, the motors 78a, 78b may be located near an upper end or top surface of the housing 22.

[0117] In embodiments of the cooking system 20 including a plurality of internal compartments, a single control system 108, as previously described with respect to FIG. 7, may be suitable to selectively perform one or more cooking operations associated with both the first internal compartment 28a and the second internal compartment 28b. Accordingly, the same inputs 104 may be used to provide control for the plurality of internal compartments 28a, 28b, or alternatively, distinct inputs 104 may be associated with each of the plurality of internal compartments 28a, 28b, respectively.

[0118] All references, including publications, patent applications, and patents cited herein are hereby incorporated by reference to the same extent as if each reference were individually and specifically indicated to be incorporated by reference and were set forth in its entirety herein.

[0119] The use of the terms “a” and “an” and “the” and similar referents in the context of describing the disclosure (especially in the context of the following claims) is to be construed to cover both the singular and the plural, unless otherwise indicated herein or clearly contradicted by context. The terms “comprising,” “having,” “including,” and “containing” are to be construed as open-ended terms (i.e., meaning “including, but not limited to,”) unless otherwise noted. Recitation of ranges of values herein are merely intended to serve as a shorthand method of referring individually to each separate value falling within the range, unless otherwise indicated herein, and each separate value is incorporated into the specification as if it were individually recited herein. All methods described herein can be performed in any suitable order unless otherwise indicated herein or otherwise clearly contradicted by context. The use of any and all examples, or exemplary language (e.g., “such as”) provided herein, is intended merely to

better illuminate the disclosure and does not pose a limitation on the scope of the disclosure unless otherwise claimed. No language in the specification should be construed as indicating any non-claimed element as essential to the practice of the disclosure.

[0120] Exemplary embodiments of this disclosure are described herein, including the best mode known to the inventors for carrying out the disclosure. Variations of those embodiments may become apparent to those of ordinary skill in the art upon reading the foregoing description. The inventors expect skilled artisans to employ such variations as appropriate, and the inventors intend for the disclosure to be practiced otherwise than as specifically described herein. Accordingly, this disclosure includes all modifications and equivalents of the subject matter recited in the claims appended hereto as permitted by applicable law. Moreover, any combination of the above-described elements in all possible variations thereof is encompassed by the disclosure unless otherwise indicated herein or otherwise clearly contradicted by context.

[0121] What is claimed is:

CLAIMS

1. A cooking system comprising:

a housing having a first internal compartment and a second internal compartment, the first internal compartment and the second internal compartment being separated by a dividing wall extending upward from a base of the housing;

a first cooking container defining a first cooking volume, said first cooking container being removably receivable within said first internal compartment to close off an opening to said first internal compartment when inserted therein, and a second cooking container defining a second cooking volume, said second cooking container being removably receivable within said second internal compartment to close off an opening to said second internal compartment when inserted therein;

a first heating element and a second heating element disposed in said housing, said first heating element being in thermal communication with said first cooking volume and said second heating element being in thermal communication with said second cooking volume, the first and second heating elements being independently operable to independently cook food contained within the first and second cooking containers; and

a first fan and a second fan disposed in said housing, said first fan being in fluid communication with said first cooking volume and said second fan being in fluid communication with said second cooking volume.

2. The cooking system of claim 1, wherein said first cooking container and said second cooking container are individually insertable into said first cooking compartment and said second cooking compartment respectively.

3. The cooking system of claim 1, wherein said first internal compartment and said second internal compartment are fluidly separate.

4. The cooking system of claim 1, wherein said first fan is stacked vertically relative to said first heating element within said housing and said second fan is stacked vertically relative to said second heating element within said housing.

5. The cooking system of claim 1, wherein said first fan includes a first inlet, a second inlet,

and an outlet, said first inlet and said second inlet being arranged in fluid communication with said outlet.

6. The cooking system of claim 1, wherein said first fan has a first axially oriented inlet and a first radially oriented outlet and said second fan has a second axially oriented inlet and a second radially oriented outlet.

7. The cooking system of claim 1, wherein said first cooking container includes a first handle and said second cooking container includes a second handle.

8. The cooking system of claim 1, further comprising a motor operably coupled to each of said first fan and said second fan.

9. The cooking system of claim 8, wherein said motor is located externally from said first internal compartment and said second internal compartment.

10. The cooking system of claim 8, wherein said motor is positioned between said first internal compartment and said second internal compartment.

11. A cooking system, comprising:

a housing having a first internal cooking compartment with a first cooking container removably disposed therein and a second internal compartment with a second cooking container removably disposed therein, the first internal compartment including a first heating assembly comprising a first fan and a first heating element configured to cook food disposed in the first cooking container, and the second internal cooking compartment including a second heating assembly comprising a second fan and a second heating element configured to cook food disposed in the second cooking container, the first and second heating assemblies being independently operable to independently cook food contained within the first and second cooking containers, and the first and second heating assemblies being programmable to simultaneously cook food in separate cooking modes,

wherein the first and second internal cooking compartments are separated by a dividing wall extending upward from a base of the housing, wherein the first and second cooking containers are substantially horizontally coplanar when disposed in the first and second internal cooking compartments respectively.

12. The cooking system of claim 11, wherein the first cooking container includes a first external handle attached thereto and the second cooking container includes a second external handle attached thereto.

13. The cooking system of claim 11, wherein the first internal cooking compartment and the second internal cooking compartment are independently operable to cook food using at least one of conduction, convection, radiation, and induction.

14. The cooking system of claim 11, further comprising a control system configured to operate the first and second cooking assemblies, the control system being configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

15. The cooking system of claim 11, further comprising a motor operably coupled to each of the first and second fans, the motor configured to operate the first and second fans at the same speed or at different speeds.

16. A cooking system, comprising:

a housing having first and second internal independently removable cooking containers disposed therein, the first and second cooking containers being separated from each other by a dividing wall extending upward from a base of the housing, each of the first and second cooking containers defining a cooking volume therein, the first and second cooking containers being configured to engage with first and second respective channels inside the housing to define first and second respective air ducts therein;

first and second heating elements disposed in the housing adjacent the cooking volume of the first and second cooking containers, respectively, the first and second heating elements being independently operable; and

first and second fans disposed in the housing adjacent the first and second heating elements, respectively, the first and second fans being independently operable, and the first and second fans being configured to circulate air through the first and second cooking volumes, respectively.

17. The cooking system of claim 16, further comprising a control system configured to operate cooking processes of food contained in the first and second cooking containers.

18. The cooking system of claim 17, wherein the control system is configured to independently operate the first and second heating elements and the first and second fans.

19. The cooking system of claim 17, wherein the control system is configured to receive inputs corresponding to at least one of a temperature, a cook time, and a food type.

20. The cooking system of claim 17, wherein the control system is configured to adjust cooking parameters based on sensed data without user input.

ABSTRACT

A cooking system includes a housing having at least one internal compartment and a cooking container receivable within said at least one internal compartment. A cooking volume is defined within an interior of said cooking container. A bottom surface of said cooking container is angled upwardly. A heating element is associated with said at least one internal compartment.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Filer:	Lisa Adams/Desire' Wells
Attorney Docket Number:	057664-348C02US

Filed as Large Entity

Filing Fees for Track I Prioritized Examination - Nonprovisional Application under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	320	320
UTILITY SEARCH FEE	1111	1	700	700
UTILITY EXAMINATION FEE	1311	1	800	800
REQUEST FOR PRIORITIZED EXAMINATION	1817	1	4200	4200
Pages:				
Claims:				
Miscellaneous-Filing:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
PROCESSING FEE, EXCEPT PROV. APPLS.	1830	1	140	140
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**6160**

Electronic Acknowledgement Receipt

EFS ID:	45928603
Application Number:	17837768
International Application Number:	
Confirmation Number:	9530
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF
First Named Inventor/Applicant Name:	Christopher T. Martin
Customer Number:	177399
Filer:	Lisa Adams
Filer Authorized By:	
Attorney Docket Number:	057664-348C02US
Receipt Date:	10-JUN-2022
Filing Date:	
Time Stamp:	16:34:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$6160
RAM confirmation Number	E202260G34280611
Deposit Account	500311
Authorized User	Lisa Adams

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Track One Request	057664_348C02US_Track_One_Request_06102022.pdf	138662 5a1e1e39ba8ac094b2f2f94ae661ced1859e6afd	no	2
Warnings:					
Information:					
2	Transmittal of New Application	057664_348C02US_Transmittal_New_Application_06092022.pdf	143942 b7147e80806b901ea4bcadb9e14db41037172492	no	1
Warnings:					
Information:					
3	Application Data Sheet	057664_348C02US_Application_Data_Sheet_06102022.pdf	1277832 a076827132b75a9ceef74c769a5b5b37953cecb9	no	10
Warnings:					
Information:					
4	Drawings-only black and white line drawings	057664_348C02US_Drawings_06102022.pdf	1489770 e7d93e2a19a4f58f7ab32cee8a7fa977f89348af	no	15
Warnings:					
Information:					
5	Oath or Declaration filed	05664_348C02US_Declarations_06102022.pdf	405842 55b42e84f176337da96014defe96b46e8f3b9970	no	6
Warnings:					
Information:					
6	Power of Attorney	057664_348C02US_POA_06102022.pdf	576357 7671a28d90b808792955ab0a419323469ee15f05	no	2
Warnings:					
Information:					

7		057664_348C02US_Specification_06102022.pdf	143606 f7dfe640aed4019629293b5cfcbf8eb551cc92d4	yes	28

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Specification	1	23
Claims	24	27
Abstract	28	28

Warnings:

Information:

8	Fee Worksheet (SB06)	fee-info.pdf	50917 b01bb110ea02228f303a072648cd290fa8d79e11	no	2

Warnings:

Information:

Total Files Size (in bytes):	4226928

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
<u>National Stage of an International Application under 35 U.S.C. 371</u>
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/AIA/424 (04-14)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Christopher T. Martin	Nonprovisional Application Number (if known):	
Title of Invention:	COOKING DEVICE AND COMPONENTS THEREOF		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.

2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.

3. The applicable box is checked below:

I. ☑ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, **or** the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Lisa Adams/	Date June 10, 2022
Name (Print/Typed) Lisa Adams	Practitioner Registration Number 44,238

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.**

☑ *Total of 1 forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/AIA/15 (10-17)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	057664-348C02US
First Named Inventor	Christopher T. Martin
Title	COOKING DEVICE AND COMPONENTS THEREOF
Priority Mail Express® Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. [ ] **Fee Transmittal Form** (PTO/SB/17 or equivalent)
2. [ ] **Applicant asserts small entity status.** See 37 CFR 1.27
3. [ ] **Applicant certifies micro entity status.** See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.
4. [X] **Specification** [*Total Pages* 28]
   Both the claims and abstract must start on a new page.
   (See MPEP § 608.01(a) for information on the preferred arrangement)
5. [X] **Drawing(s)** (35 U.S.C. 113) [*Total Sheets* 15]
6. **Inventor's Oath or Declaration** [*Total Pages* 6]
   (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))
   a. [ ] Newly executed (original or copy)
   b. [X] A copy from a prior application (37 CFR 1.63(d))
7. [X] **Application Data Sheet** ** See note below.*
   See 37 CFR 1.76 (PTO/AIA/14 or equivalent)
8. **CD-ROM or CD-R** in duplicate, large table, or Computer Program (*Appendix*)
   [ ] Landscape Table on CD
9. **Nucleotide and/or Amino Acid Sequence Submission** (*if applicable, items a. – c. are required*)
   a. [ ] Computer Readable Form (CRF)
   b. [ ] Specification Sequence Listing on:
      i. [ ] CD-ROM or CD-R (2 copies); or
      ii. [ ] Paper
   c. [ ] Statements verifying identity of above copies

ADDRESS TO:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ACCOMPANYING APPLICATION PAPERS

10. [ ] **Assignment Papers** (cover sheet & document(s))
    Name of Assignee
11. [ ] **37 CFR 3.73(c) Statement** (*when there is an assignee*) [X] **Power of Attorney**
12. [ ] **English Translation Document** (*if applicable*)
13. [ ] **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)
    [ ] Copies of citations attached
14. [ ] **Preliminary Amendment**
15. [ ] **Return Receipt Postcard** (*MPEP § 503*) (*Should be specifically itemized*)
16. [ ] **Certified Copy of Priority Document(s)** (*if foreign priority is claimed*)
17. [ ] **Nonpublication Request** Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
18. [X] **Other:** CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e)

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
(2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS

[X] The address associated with Customer Number: 177399 **OR** [ ] Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Email	

Signature	/Lisa Adams/	Date	June 10, 2022
Name (Print/Type)	Lisa Adams	Registration No. (Attorney/Agent)	44,238

126578021v1

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Christopher	T.	Martin	

Residence Information (Select One) ● US Residency Non US Residency Active US Military Service

City	State/Province	Country of Residence
North Attleboro	MA	US

Mailing Address of Inventor:

Address 1	51 Stoddard Drive
Address 2	

City	State/Province	Postal Code	Country
North Attleboro	MA	02760	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Thomas		Guerin	

Residence Information (Select One) ◉ US Residency Non US Residency Active US Military Service

City	State/Province	Country of Residence
Boston	MA	US

Mailing Address of Inventor:

Address 1	109 D St. #5
Address 2	

City	State/Province	Postal Code	Country
Boston	MA	02127	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Roger	Neil	Jackson	

Residence Information (Select One) ○ US Residency ● Non US Residency Active US Military Service

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

City	Cornwall	Country of Residence i	GB

Mailing Address of Inventor:

Address 1	The Lodge, Hillside
Address 2	Treburley, Launceton
City	Cornwall
State/Province	
Postal Code	PL159PU
Country i	GB

Inventor 4 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Joshua	D.	Anthony	

Residence Information (Select One) (•) US Residency ( ) Non US Residency Active US Military Service

City	North Billerica	State/Province	MA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	3 Fieldstone Lane
Address 2	
City	North Billerica
State/Province	MA
Postal Code	01862
Country i	US

Inventor 5 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Kerry		Schwarz	

Residence Information (Select One) (•) US Residency ( ) Non US Residency Active US Military Service

City	Needham	State/Province	MA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	89 A Street
Address 2	Suite 100
City	Needham
State/Province	MA
Postal Code	02494
Country i	US

Inventor 6 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Michaela		Dubeau	

Residence Information (Select One) (•) US Residency ( ) Non US Residency Active US Military Service

EX1007

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

City	Uxbridge	State/Province	MA	Country of Residence	US

Mailing Address of Inventor:

Address 1	89 Aldrich Street		
Address 2			
City	Uxbridge	**State/Province**	MA
Postal Code	01569	**Country**	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	177399		
Email Address	IPDocketingBOS@mintz.com	Add Email	Remove Email

Application Information:

Title of the Invention	COOKING DEVICE AND COMPONENTS THEREOF		
Attorney Docket Number	057664-348C02US	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	15	**Suggested Figure for Publication (if any)**	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☒ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	● Customer Number	US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	177399		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	17219238	2021-03-31
Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
17219238	Continuation of	17159414	2021-01-27
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
17159414	a 371 of international	PCT/US2020/042120	2020-07-15
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
PCT/US2020/042120	Claims benefit of provisional	62874193	2019-07-15

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 — Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor

● Person to whom the inventor is obligated to assign. | Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	SHARKNINJA OPERATING LLC

Mailing Address Information For Applicant:

Address 1	89 A Street		
Address 2	Suite 100		
City	Needham	**State/Province**	MA
Country	US	Postal Code	02494
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

Signature:

Remove

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Lisa Adams/			Date (YYYY-MM-DD)	2022-06-10
First Name	Lisa	Last Name	Adams	Registration Number	44238

Additional Signature may be generated within this form by selecting the Add button. Add

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	057664-348C02US
	Application Number	
Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

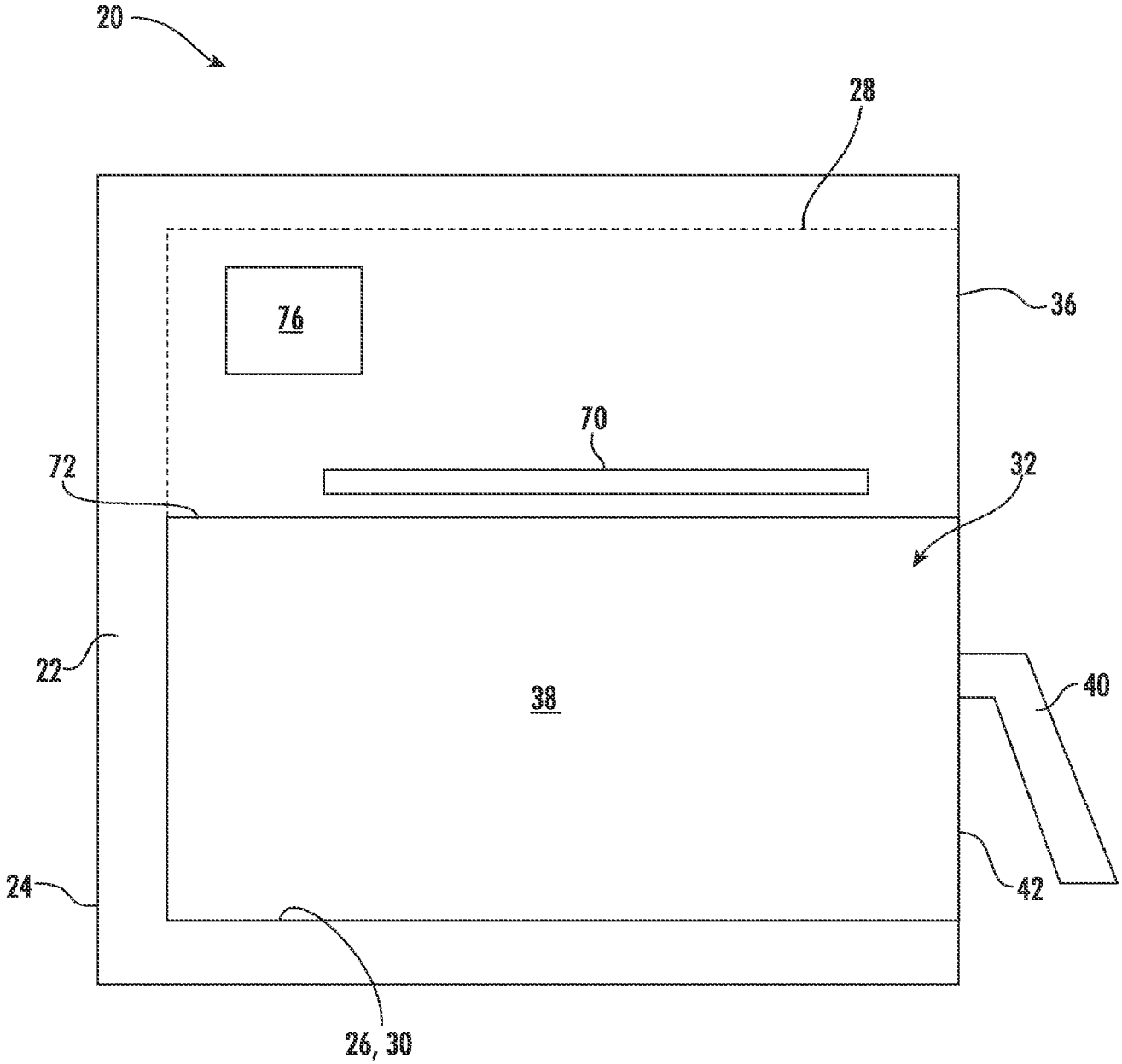


FIG. 1

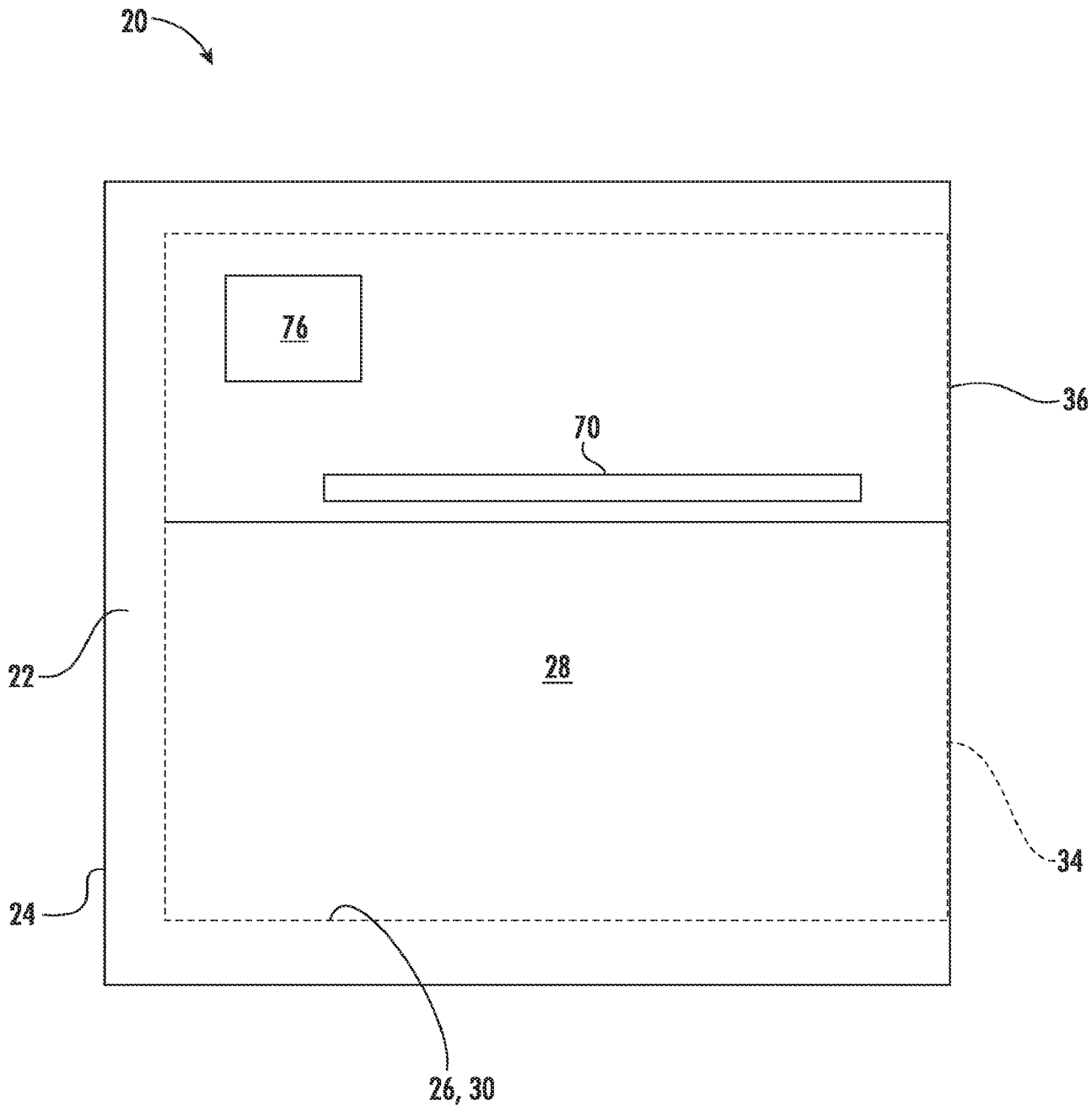


FIG. 2

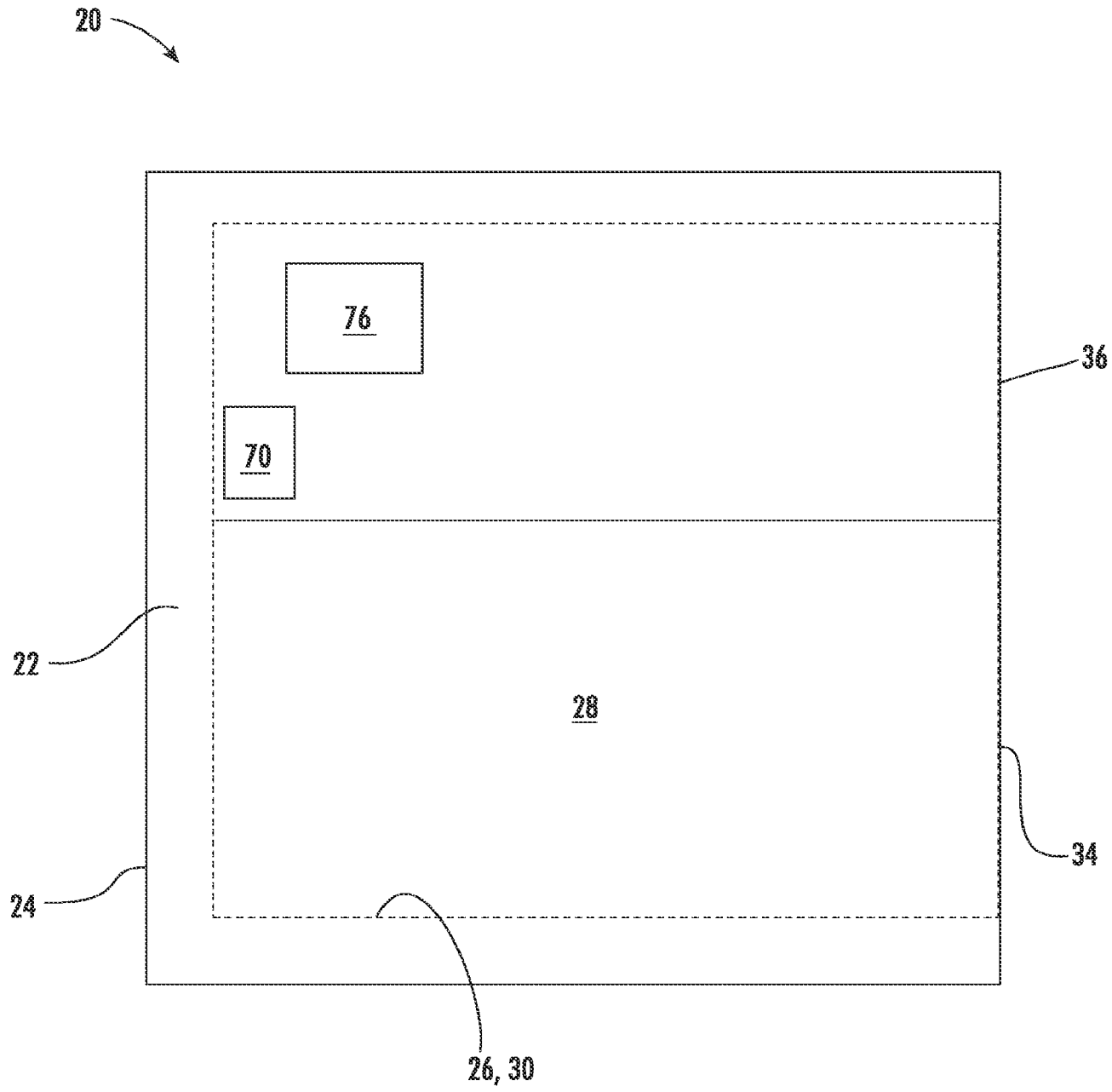


FIG. 3

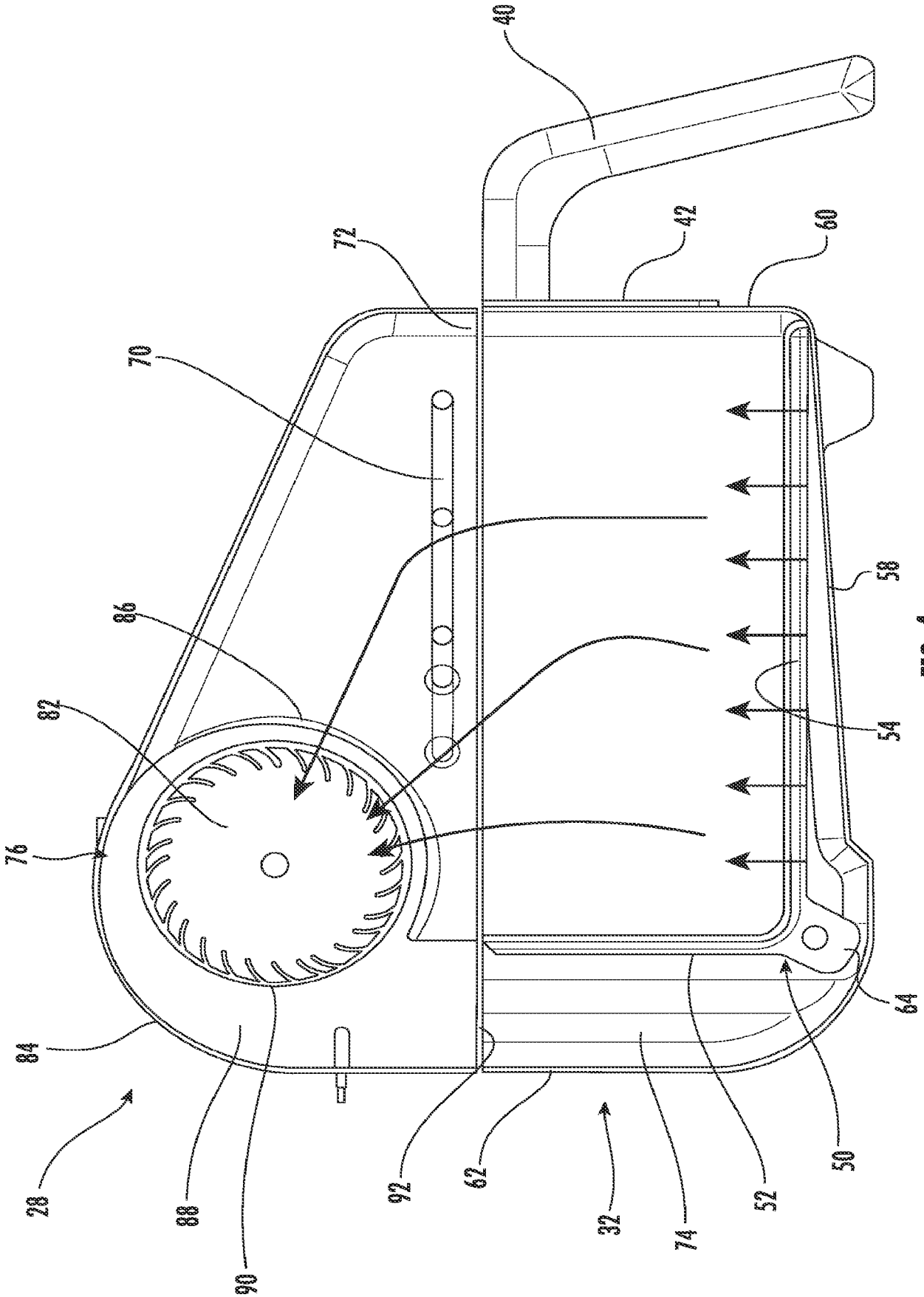


FIG. 4

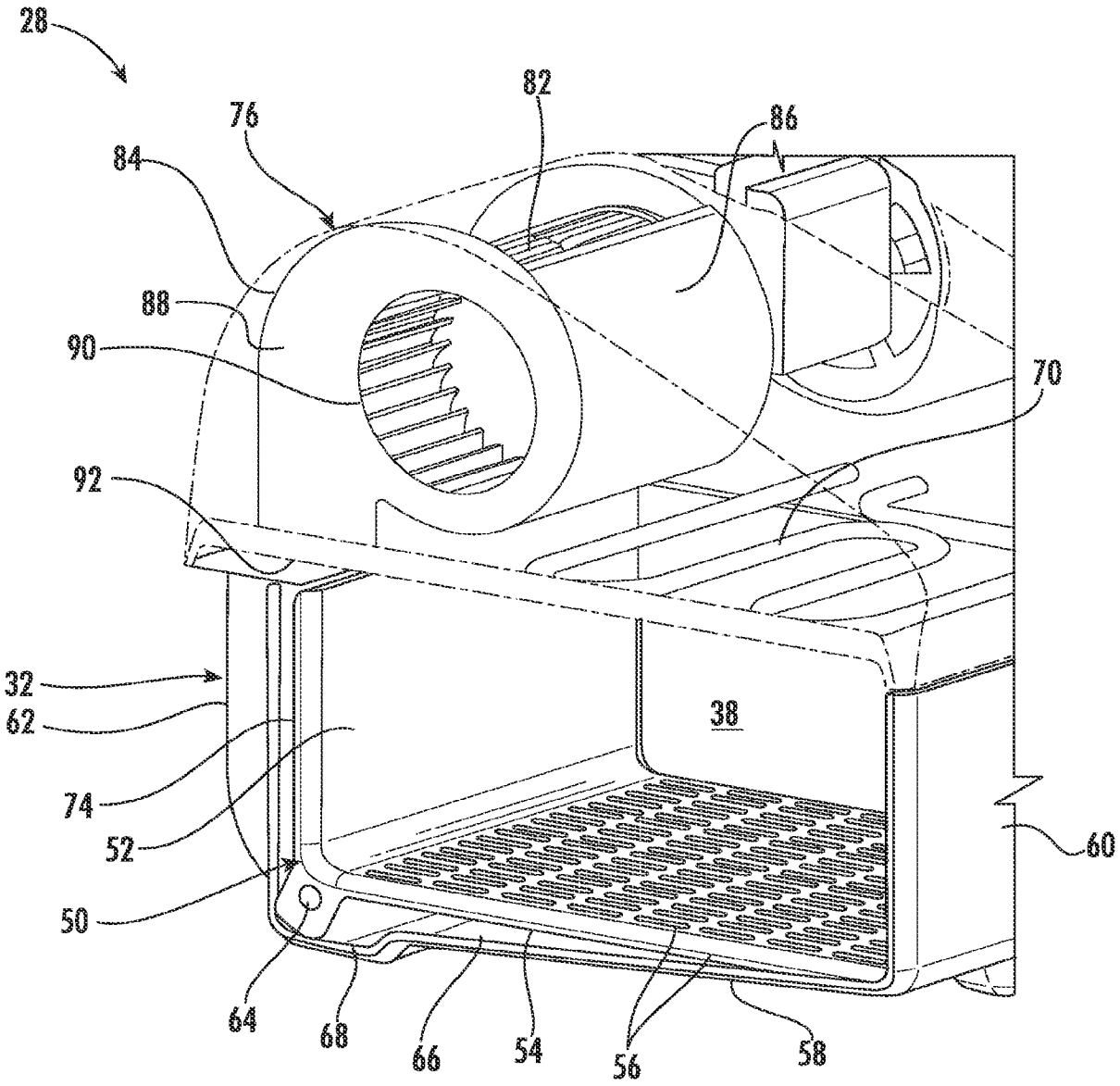


FIG. 5

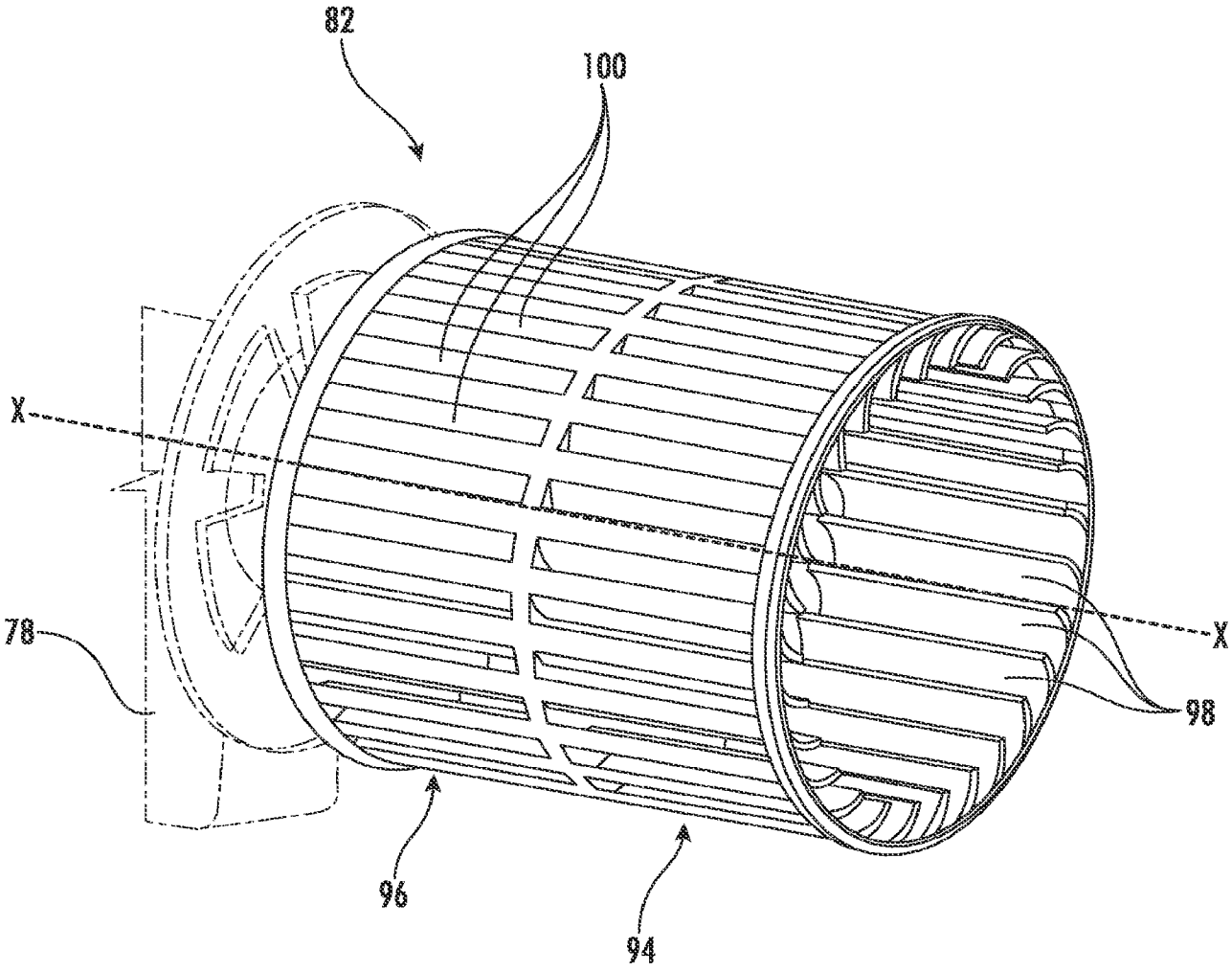


FIG. 6

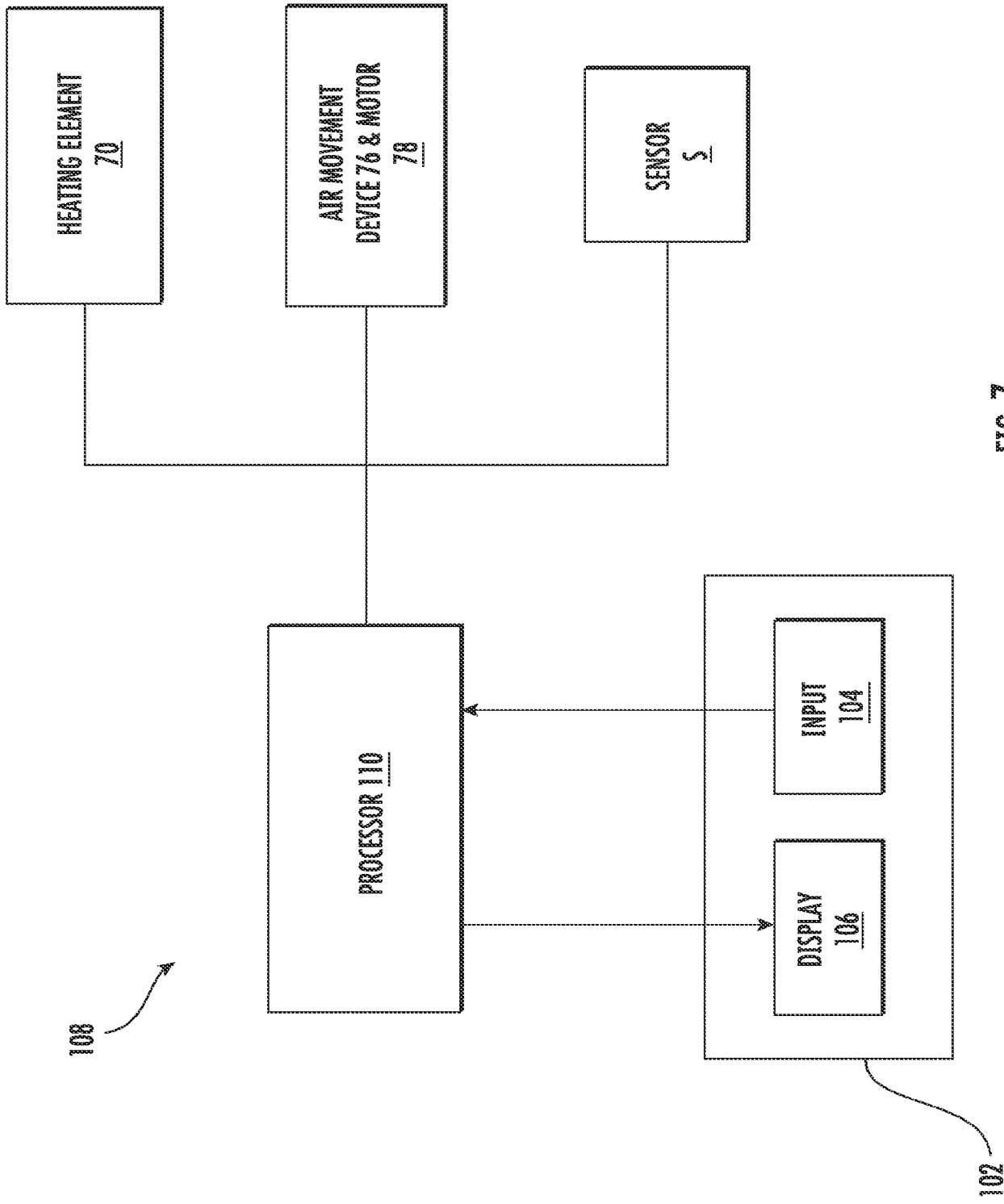

HEATING ELEMENT
70
AIR MOVEMENT
DEVICE 76 & MOTOR
78
SENSOR
S
PROCESSOR 110
INPUT
104
DISPLAY
106
108
102

FIG. 7

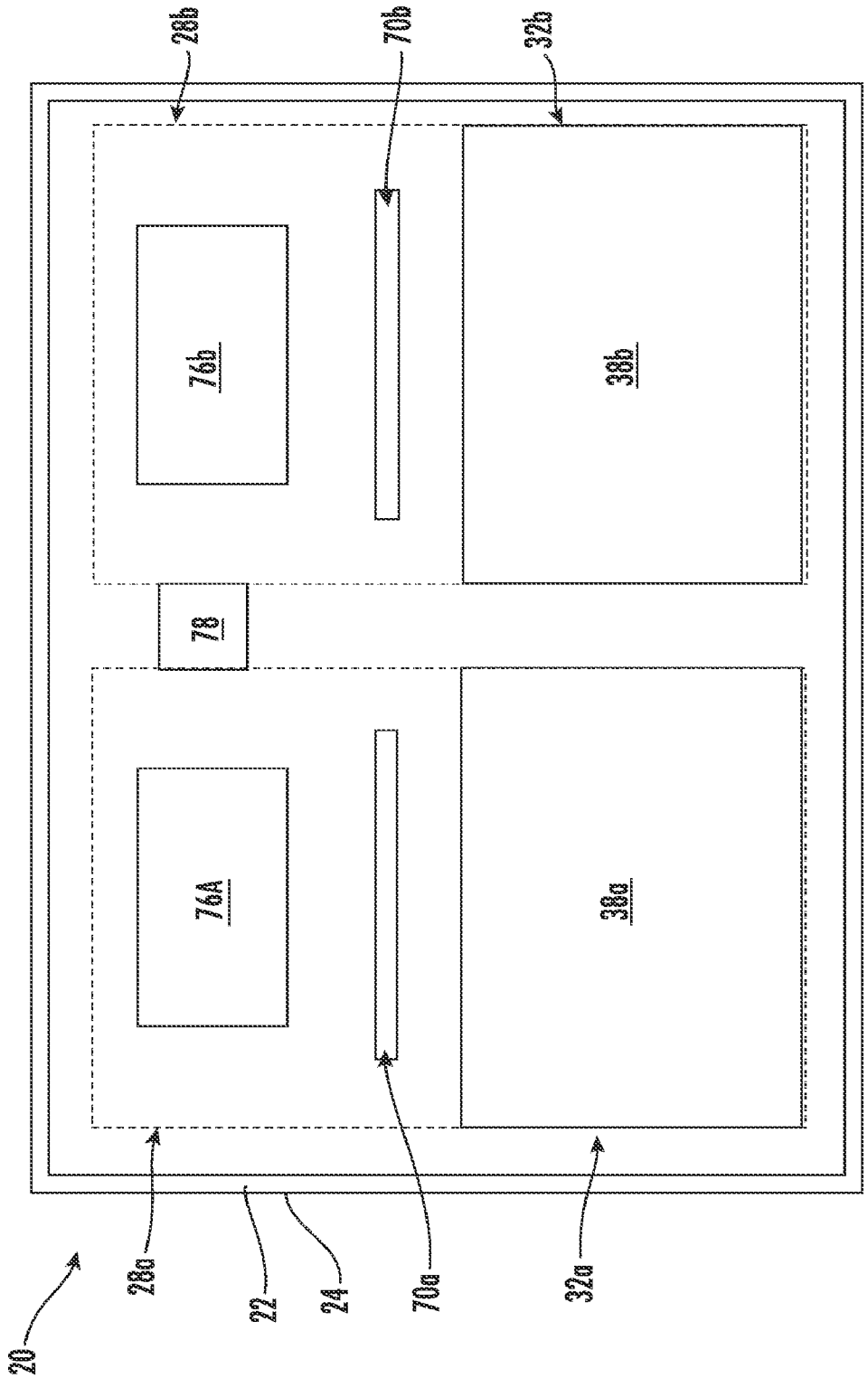


FIG. 8

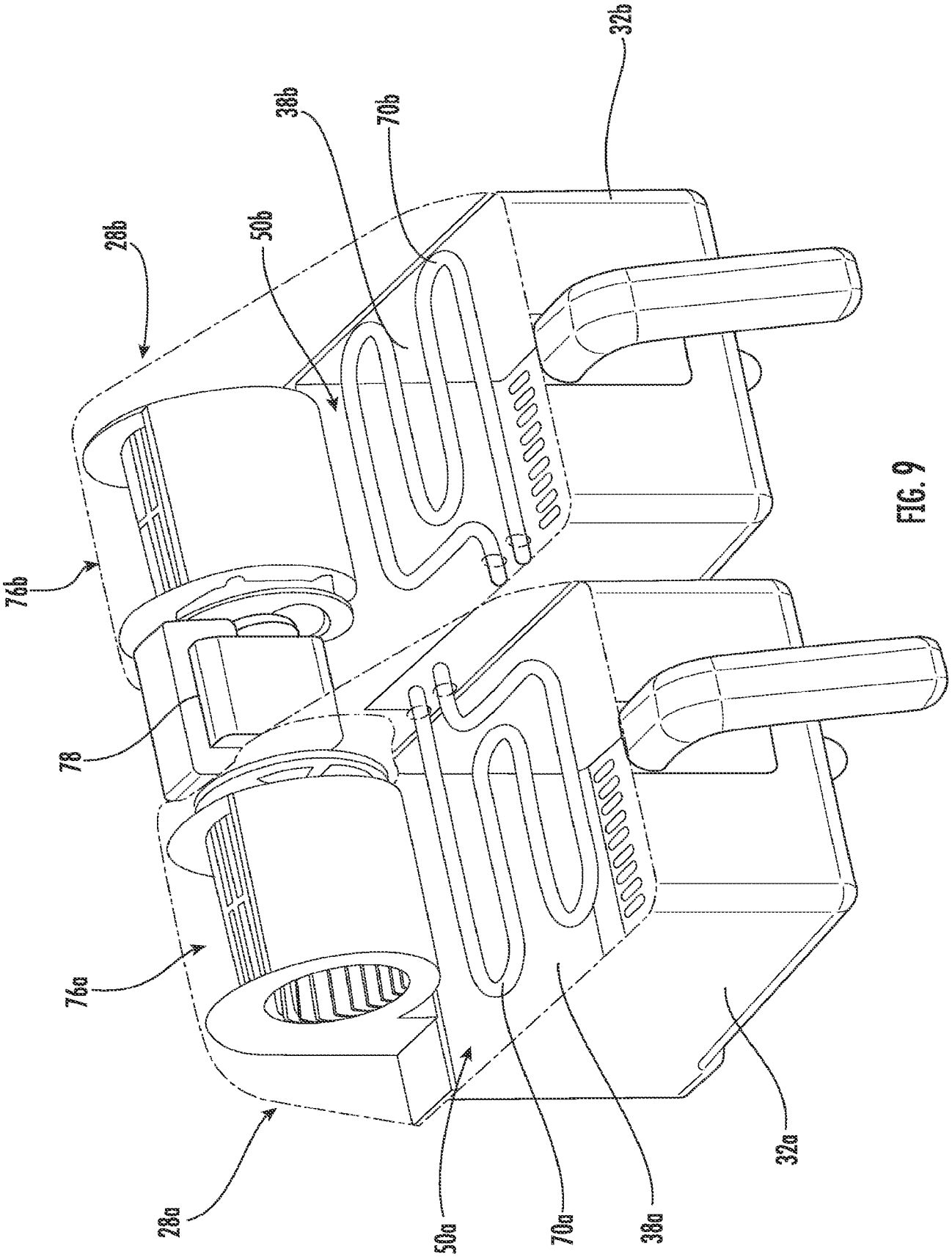


FIG. 9

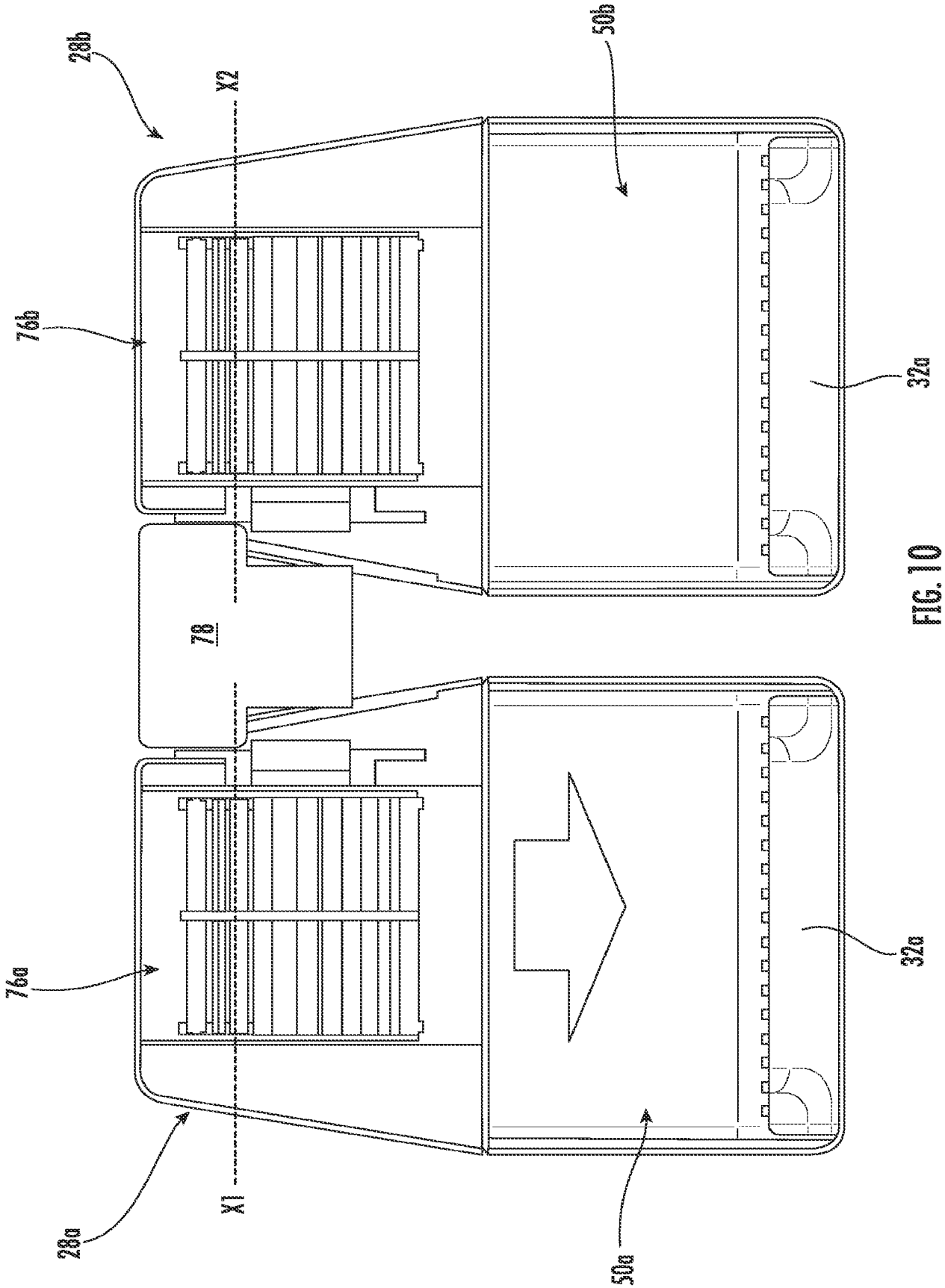


FIG. 10

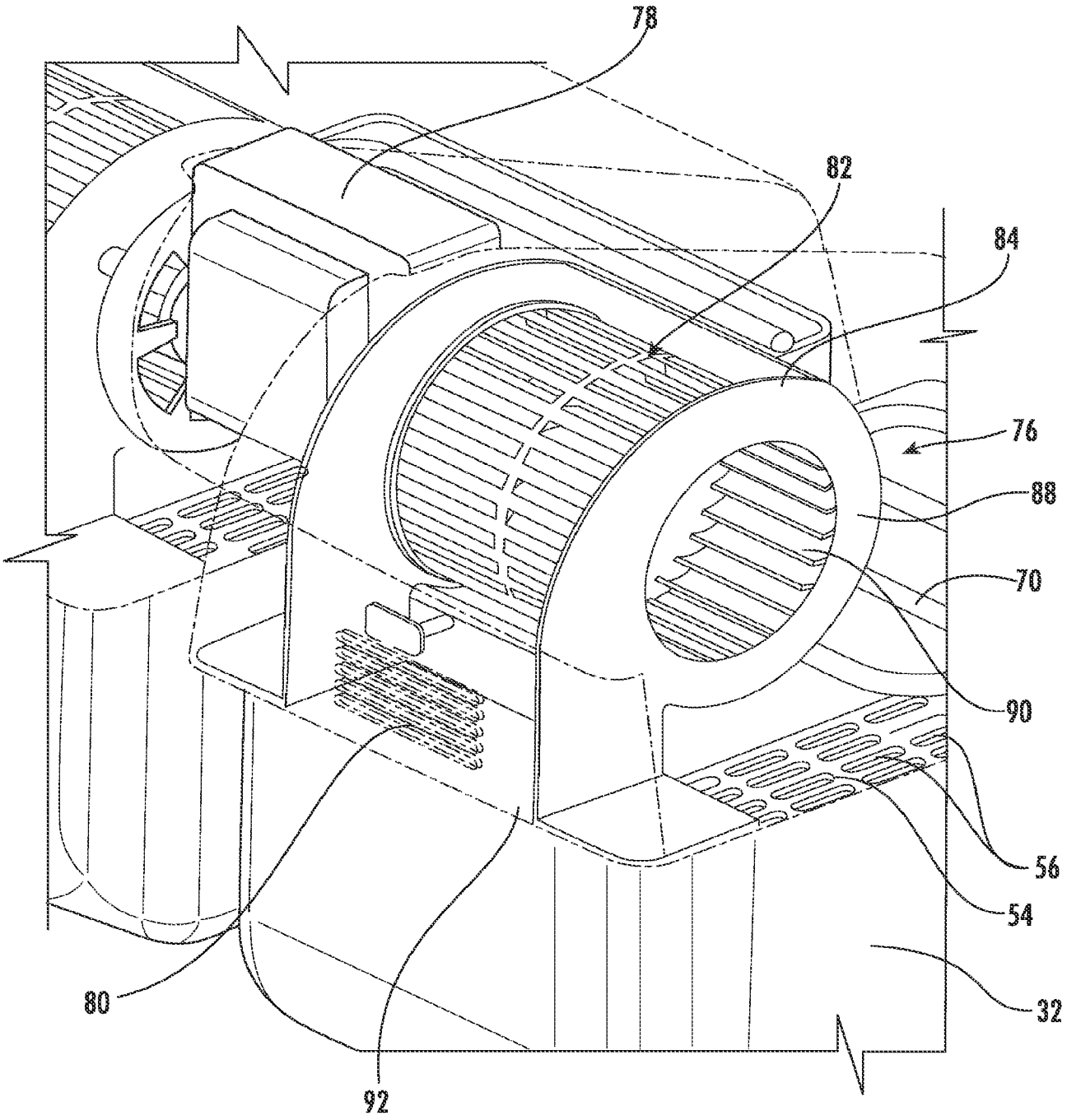


FIG. 11

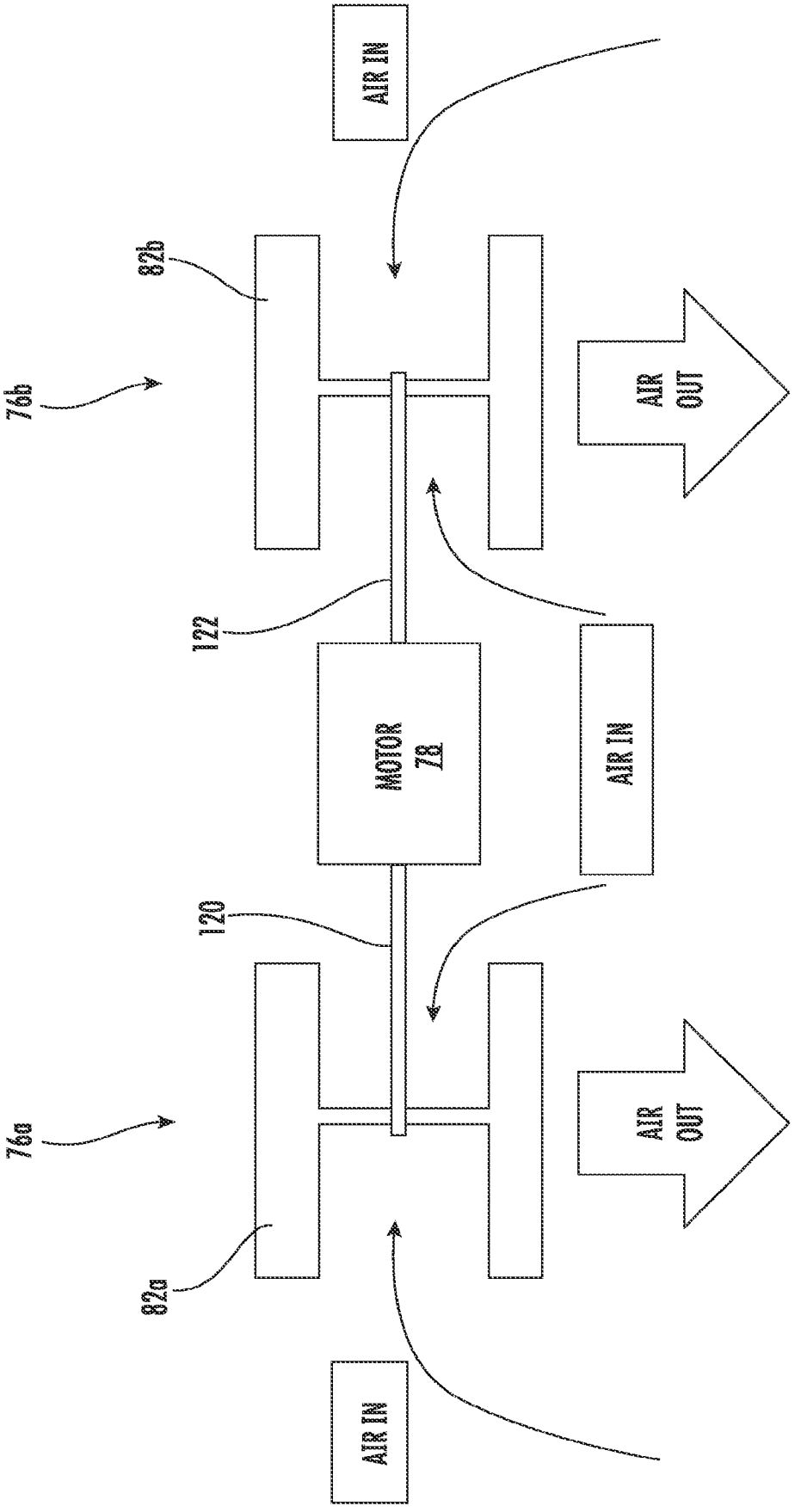

AIR IN
82b
76b
AIR OUT
122
MOTOR 78
AIR IN
120
76a
AIR OUT
82a
AIR IN

FIG. 12

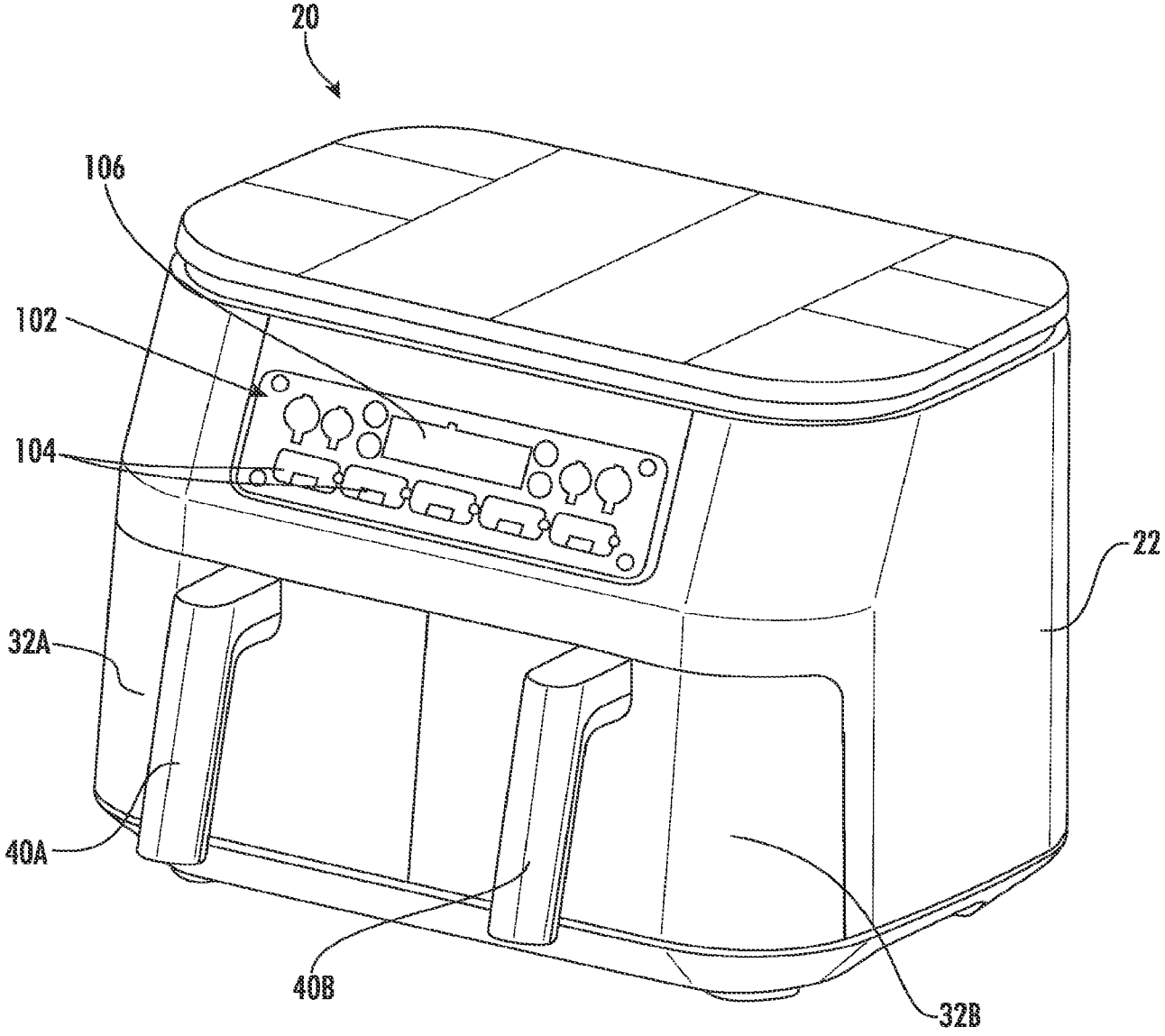


FIG. 13

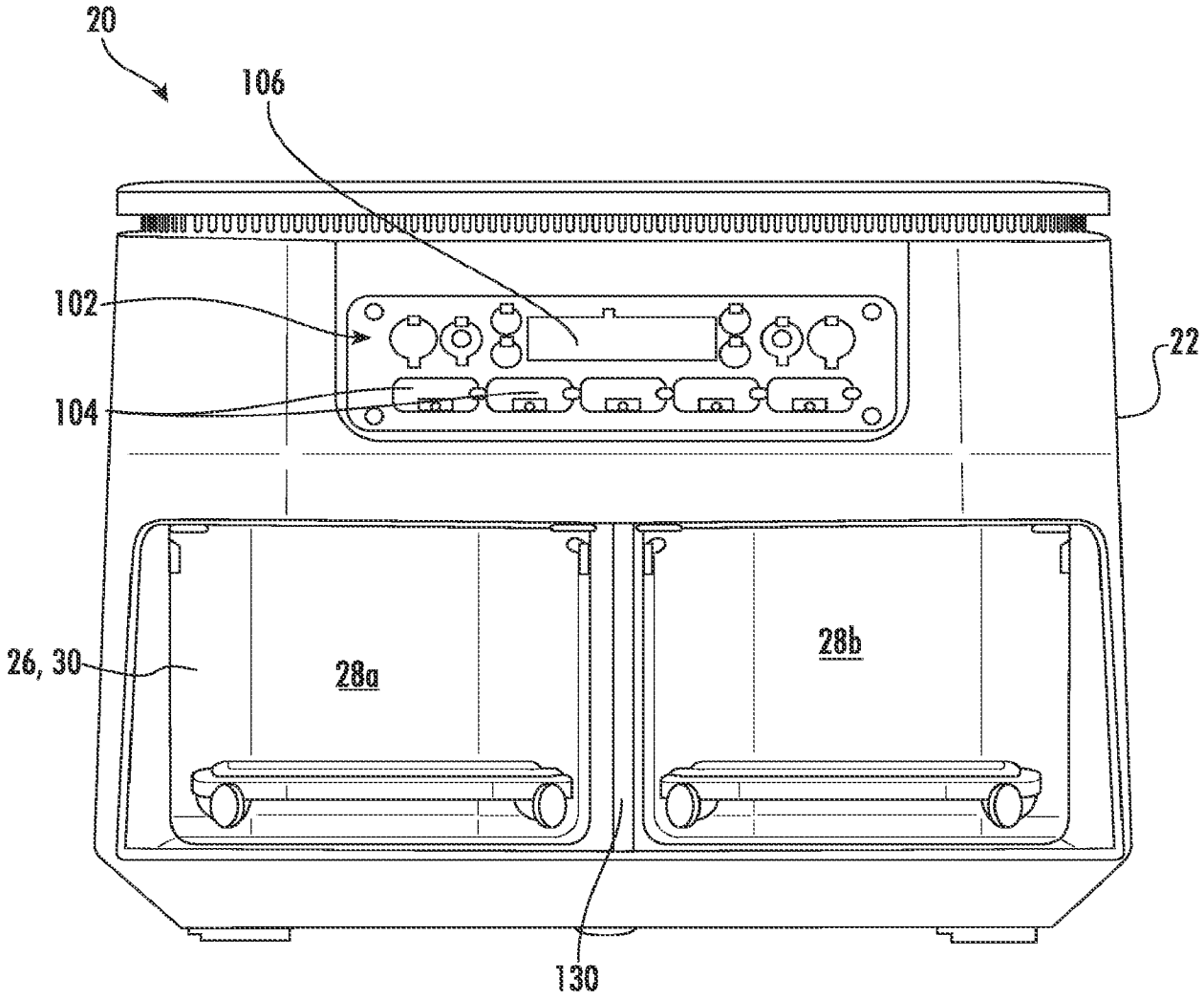


FIG. 14

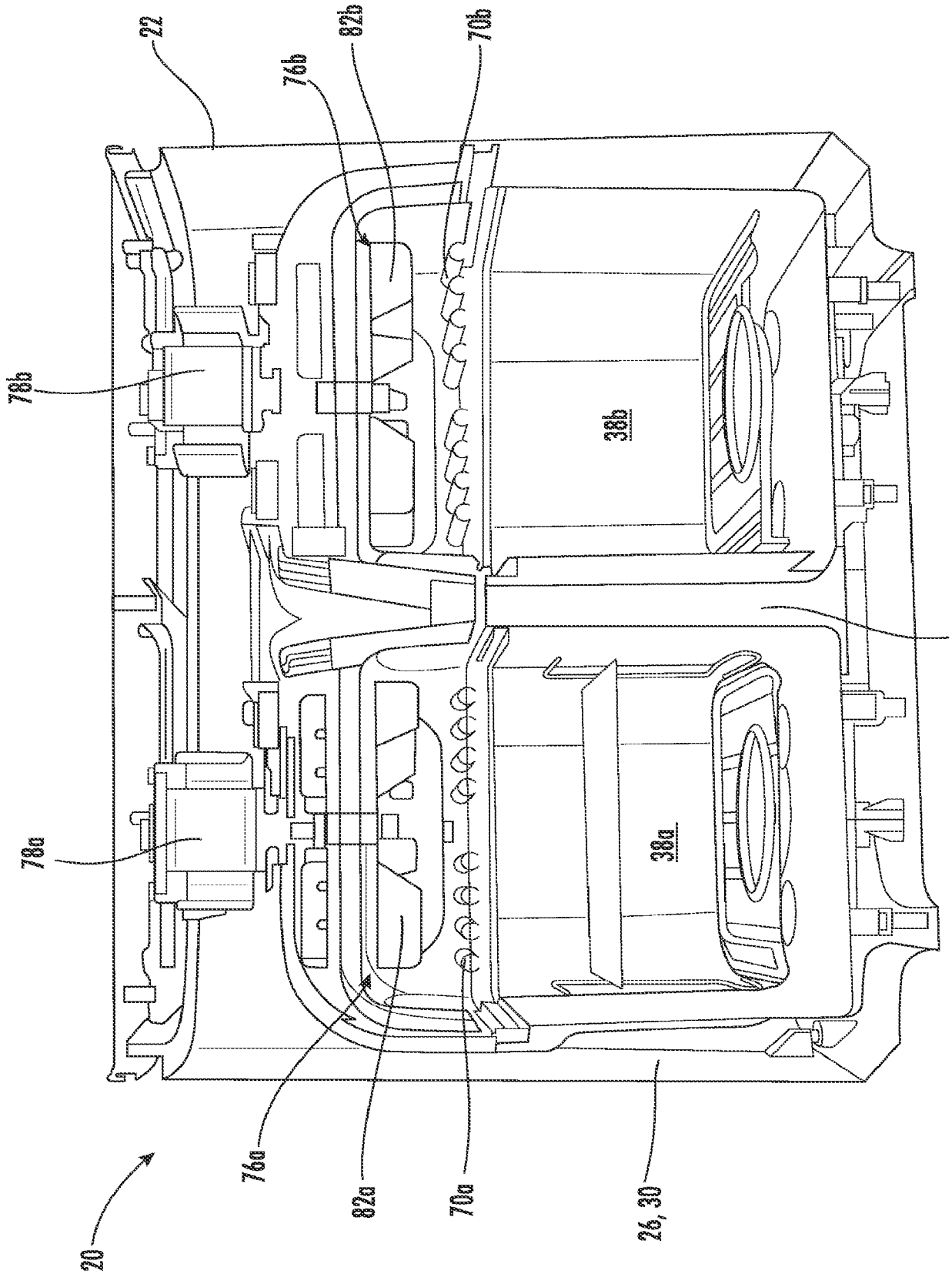


FIG. 15

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	COOKING DEVICE AND COMPONENTS THEREOF

As the below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number 17/219,238 filed on 03/31/2021 .

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

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LEGAL NAME OF INVENTOR

Inventor: Christopher T. Martin Date (Optional) :

Signature: / Christopher T. Martin / E831CD72B20341F...

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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LEGAL NAME OF INVENTOR

Inventor: Thomas Guerin Date (Optional) :

Signature: / Thomas Guerin / DocuSigned by: C8BA4C7C7CE941E...

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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LEGAL NAME OF INVENTOR

Inventor: Roger Neil Jackson Date (Optional) :

Signature: / Roger Neil Jackson / DocuSigned by: 7DCACE9E833D4AD...

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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LEGAL NAME OF INVENTOR

Inventor: Joshua D. Anthony Date (Optional) :

Signature: / DocuSigned by: Joshua D. Anthony 0CF4A03FB77A442... /

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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LEGAL NAME OF INVENTOR

Inventor: Kerry Schwarz Date (Optional) : 1/14/2022 | 2:55:31 PM PST

Signature: / DocuSigned by: 36E62E5048F649F... /

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LEGAL NAME OF INVENTOR

Inventor: Michaela DUBEAU — Date (Optional): 5/6/2021 | 2:31:52 PM EDT

Signature: / Michaela Dubeau / (DocuSigned by: 1507EFE5B9BB472...)

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This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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