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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/879,506	05/20/2020	Youssef BIADILLAH	OSHH-001C03US 158166-2005	2760
58249	7590	09/29/2020	EXAMINER	
COOLEY LLP ATTN: IP Docketing Department 1299 Pennsylvania Avenue, NW Suite 700 Washington, DC 20004			SIEPKE, SAMUEL P	
			ART UNIT	PAPER NUMBER
			1797	
			NOTIFICATION DATE	DELIVERY MODE
			09/29/2020	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):

zIPPatentDocketingMailboxUS@cooley.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Election/Restrictions

Claims 1,8-15 and 17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Group I, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 9/21/20.

Claim Rejections - 35 USC § 102

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 25-44 are rejected under pre-AIA 35 U.S.C. 102b as being anticipated by Cho (US 2004/0200740).

Cho discloses a kit for collecting and preserving a biological sample, the kit comprising:

a sample collection vessel (fig. 1a-4b; ref. 13), the sample collection vessel comprising:

a sample collection reservoir (inside structure 13) having an opening (fig. 3c shows opening at the top of the sample collection reservoir 13) *configured to receive the biological sample from a user into the sample collection reservoir* (this limitation does not further structurally limit the instant claim. The prior art is structurally capable of holding any type of liquid);

a connection member (fig. 1b; structures 120, which includes 14 and 124 shows the structure that screws on to the top of the sample collection reservoir) disposed on an exterior portion of the sample collection vessel and adjacent to the opening (120k screws to the exterior portion of the sample collection vessel);

a cap (100), the cap comprising:

a reagent chamber (fig. 2b shows space within 100 that is structurally capable of holding a reagent) *configured to store a reagent* (this limitation does not further structurally limit the instant claim); and

a complementary connection member (52 as shown in fig. 1b) configured to engage the connection member of the sample collection vessel; and

a movable annular valve (52k moves to seal with structure 14 of the connection member) *configured to associate with the cap and with the opening of the sample*

collection reservoir (this limitation does not further structurally limit the instant claim).

Cho provides a cap that screws onto a connection member which enables a seal to be created at 52k and 14. The valve is opened when the cap is unscrewed which allows the valve to open and the contents of the cap move to the sample collection vessel).

Regarding claim 26, wherein the movable annular valve comprises an inner cylinder (structure 52 creates a cylinder which allows structure 14 to be received there within), the inner cylinder being in fluid-tight association with the cap (fig. 4a, 4b).

Regarding claim 27, wherein the movable annular valve further comprises an outer cylinder (see fig 4b), the outer cylinder configured to be in fluid-tight association with the inner cylinder (52a) and configured to associate with the opening of the sample collection reservoir.

Regarding claim 28, wherein the outer cylinder comprises threads (threads that engage 50k) on an interior sidewall (fig. 4b) configured to mate with threads on an exterior sidewall of the inner cylinder, the interior sidewall of the outer cylinder defining an aperture (opening at bottom of 52a) configured to accommodate at least a portion of the inner cylinder (14k, fig. 4b), and *wherein moving a distal portion of the inner cylinder through the aperture comprises unscrewing the annular valve with the respective threads* (this limitation does not further structurally limit the instant claim).

Regarding claim 29, wherein the outer cylinder comprises a sample collection reservoir sealing surface (surface that mates with structure 50k) configured to create a fluid-tight seal between the outer cylinder and the opening of the sample collection reservoir when the outer cylinder is associated with the sample collection reservoir.

Regarding claim 30, further comprising a funnel (the opening of the sample collection reservoir can be a funnel) *configured to associate with the sample collection vessel and to guide receipt of a biological sample from a user into the sample collection reservoir of the sample collection vessel* (this limitation does not further structurally limit the instant claims).

Regarding claim 31, wherein the connection member comprises one of a pushed connection, a rotated connection, a screwed connection (see figs. 1-4), and a snap-fit connection.

Regarding claim 32, wherein the connection member and the complementary connection member each comprise threads (see figs 1-4).

Regarding claim 33, wherein the threads of the complementary connection member comprise a plurality of internal threads of the cap (see figs 1-3).

Regarding claim 34, wherein the kit comprises a separable two-piece kit, the sample collection vessel comprising a first piece of the separable two-piece kit, and the movable annular valve associated with the cap comprising a second piece of the separable two-piece kit (see fig. 1-4 which shows 3 pieces).

Regarding claim 35. (New) The kit of claim 27, wherein the inner cylinder comprises at least one fluid vent (the opening at the bottom of the inner cylinder for allowing fluid to pass).

Regarding claim 36, wherein an interior sidewall of the outer cylinder defines an aperture configured to accommodate at least a portion of the inner cylinder (fig. 4a shows 4 openings).

Regarding claim 37, wherein the a at least one fluid vent is *configured to be obstructed by the outer cylinder when the movable annular valve is closed, and wherein the at least one fluid vent is configured to be unobstructed by the outer cylinder when the movable annular valve is open* (this limitation does not further structurally limit the instant claim. Cho operates in the same manner of the instant claims).

Regarding claim 38, wherein the outer cylinder comprises threads on an interior sidewall configured to mate with threads on an exterior sidewall of the inner cylinder (fig. 4b).

Regarding claim 39, wherein the inner cylinder additionally comprises a reagent retention chamber (fig. 1-4 the cap has an inner cylinder which is structurally capable of housing a reagent), and wherein the reagent retention chamber is in fluid communication with the reagent chamber of the cap when the inner vessel is associated with the cap (fig. 1-4).

Regarding claim 40, wherein a diameter of an outer wall of the inner cylinder is substantially equal to a diameter of the inner wall of the outer cylinder such that when the outer cylinder is associated with the inner cylinder, a fluid-tight connection is created therebetween (fig. 1-4).

Regarding claim 41, wherein an interior sidewall of the outer cylinder defines an aperture, and association of the cap with the sample collection vessel is configured to cause a distal portion of the inner cylinder to move through the aperture defined by the interior sidewall of the outer cylinder to expose a fluid vent defined by the distal portion of the inner cylinder (figs 1-4).

Regarding claim 42, wherein the outer cylinder comprises threads on the interior sidewall (fig. 4b) *configured to mate with threads on an exterior sidewall of the inner cylinder, and the respective threads are uncoupled when the distal portion of the inner cylinder moves through the aperture.*

Regarding claim 43, wherein the outer cylinder comprises a sample collection reservoir sealing surface (figs 1-4) *configured to create a fluid-tight seal between the outer cylinder and the opening of the sample collection reservoir when the outer cylinder is associated with the sample collection reservoir.*

Regarding claim 44, wherein the movable annular valve is *configured to close when the cap is at least partially disassociated from the sample collection vessel* (this limitation does not further structurally limit the instant claims).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAMUEL P SIEFKE whose telephone number is (571)272-1262. The examiner can normally be reached on Monday, Tuesday, Thursday, Friday, 8-6.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an

interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lyle Alexander can be reached on 571-272-1254. 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 <https://ppair-my.uspto.gov/pair/PrivatePair>. 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.

/SAMUEL P SIEFKE/
Primary Examiner, Art Unit 1797

Docket No.: OSHH-001/C03US 158166-2005
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor: Youssef BIADILLAH Confirmation No.: 2760
Application No.: 16/879,506 Group Art Unit: 1797
Filed: May 20, 2020 Examiner: S. P. Siefke
For: **DEVICES, SOLUTIONS AND METHODS FOR SAMPLE COLLECTION**

VIA EFS

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

RESPONSE TO NON-FINAL OFFICE ACTION

This paper is in response to the Non-Final Office Action mailed September 29, 2020 in the above-referenced application. Without extension of time, this paper is due on or before December 29, 2020.

Any extensions of time necessary to prevent abandonment of this application are hereby petitioned for under 37 C.F.R. §1.136(a), and any additional fees required (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 50-1283.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 8 of this paper.

234979535
234979535 v1

AMENDMENTS TO THE CLAIMS

The following listing of the claims will replace all prior versions and listing of claims in the application:

1. (Withdrawn) A biological sample collection system, the system comprising:
a sample collection vessel, the sample collection vessel comprising a sample collection reservoir having an opening configured to receive a biological sample into the sample collection reservoir;
a movable annular valve configured to associate with the opening of the sample collection reservoir; and
a cap, the cap comprising a reagent chamber configured to store a reagent therein and configured to associate with the movable annular valve and with the sample collection vessel, wherein associating the cap with the sample collection vessel is configured to cause the movable annular valve to open, thereby dispensing the reagent into the sample collection reservoir.
- 2-7. (Canceled)
8. (Withdrawn) The biological sample collection system of claim 1, wherein the movable annular valve comprises an inner cylinder and an outer cylinder.
9. (Withdrawn) The biological sample collection system of claim 8, wherein the inner cylinder comprises at least one fluid vent.
10. (Withdrawn) The biological sample collection system of claim 9, wherein an interior sidewall of the outer cylinder defines an aperture configured to accommodate at least a portion of the inner cylinder.

11. (Withdrawn) The biological sample collection system of claim 10, wherein the at least one fluid vent is configured to be obstructed by the outer cylinder when the movable annular valve is closed, and wherein the at least one fluid vent is configured to be unobstructed by the outer cylinder when the movable annular valve is open.
12. (Withdrawn) The biological sample collection system of claim 8, wherein the outer cylinder comprises threads on an interior sidewall configured to mate with threads on an exterior sidewall of the inner cylinder.
13. (Withdrawn) The biological sample collection system of claim 8, wherein the inner cylinder associates with the cap to create a fluid-tight seal.
14. (Withdrawn) The biological sample collection system of claim 13, wherein the inner cylinder additionally comprises a reagent retention chamber, and wherein the reagent retention chamber is in fluid communication with the reagent chamber of the cap when the inner vessel is associated with the cap.
15. (Withdrawn) The biological sample collection system of claim 8, wherein the outer cylinder comprises a sample collection reservoir sealing surface configured to create a fluid-tight seal between the outer cylinder and the opening of the sample collection reservoir when the outer cylinder is associated with the sample collection reservoir.
16. (Canceled)
17. (Withdrawn) A method for collecting and preserving a biological sample, the method comprising:
 - receiving a biological sample at a sample collection vessel; and
 - associating a cap with the sample collection vessel that is configured to cause a movable annular valve associated with the cap to open, thereby releasing a reagent stored within the cap into the sample collection reservoir.

18–24. (Canceled)

25. (Currently Amended) A kit for collecting and preserving a biological sample, the kit comprising:

a sample collection vessel, the sample collection vessel comprising:

a sample collection reservoir having an opening configured to receive the biological sample from a user into the sample collection reservoir;

a connection member disposed on an exterior portion of the sample collection vessel and adjacent to the opening;

a cap, the cap comprising:

a reagent chamber configured to store a reagent; and

a complementary connection member configured to engage the connection member of the sample collection vessel; and

a movable annular valve configured to associate with the cap and with the opening of the sample collection reservoir, the movable annular valve comprising:

an inner cylinder in fluid-tight association with the cap and comprising a sidewall, the sidewall comprising a fluid vent; and

an outer cylinder in fluid-tight association with the inner cylinder and associated with the opening of the sample collection reservoir, the outer cylinder comprising an aperture defined by an interior sidewall of the outer cylinder,

wherein the aperture accommodates at least a portion of the inner cylinder,

wherein the interior sidewall obstructs the fluid vent when the movable annular valve is closed, and

wherein the interior sidewall does not obstruct the fluid vent when the movable annular valve is open.

26–27. (Canceled)

28. (Currently Amended) The kit of claim ~~[[27]]~~25, wherein the outer cylinder comprises threads on ~~[[an]]~~ the interior sidewall configured to mate with threads on an exterior sidewall of the inner cylinder, ~~the interior sidewall of the outer cylinder defining an aperture configured to accommodate at least a portion of the inner cylinder,~~ and wherein moving a distal portion of the inner cylinder moves through the aperture when the respective threads are unscrewed.

29. (Currently Amended) The kit of claim ~~[[27]]~~25, wherein the outer cylinder comprises a sample collection reservoir sealing surface configured to create a fluid-tight seal between the outer cylinder and the opening of the sample collection reservoir when the outer cylinder is associated with the sample collection reservoir.

30. (Original) The kit of claim 25, further comprising a funnel configured to associate with the sample collection vessel and to guide receipt of a biological sample from a user into the sample collection reservoir of the sample collection vessel.

31. (Previously Presented) The kit of claim 25, wherein the connection member comprises one of a pushed connection, a rotated connection, a screwed connection, and a snap-fit connection.

32. (Previously Presented) The kit of claim 25, wherein the connection member and the complementary connection member each comprise threads.

33. (Previously Presented) The kit of claim 32, wherein the threads of the complementary connection member comprise a plurality of internal threads of the cap.

34. (Previously Presented) The kit of claim 25, wherein the kit comprises a separable two-piece kit, the sample collection vessel comprising a first piece of the separable two-piece kit, and the movable annular valve associated with the cap comprising a second piece of the separable two-piece kit.

35-37. (Canceled)

38. (Currently Amended) The kit of claim [[27]]25, wherein the outer cylinder comprises threads on ~~[[an]]the~~ interior sidewall configured to mate with threads on an exterior sidewall of the inner cylinder.

39. (Currently Amended) The kit of claim [[26]]25, wherein the inner cylinder additionally comprises a reagent retention chamber, and wherein the reagent retention chamber is in fluid communication with the reagent chamber of the cap when the inner ~~vessel~~cylinder is associated with the cap.

40. (Currently Amended) The kit of claim 29, wherein a diameter of an outer wall of the inner cylinder is substantially equal to a diameter of the inner wall of the outer cylinder such that when the outer cylinder is associated with the inner cylinder, ~~[[a]]the~~ fluid-tight connection is created therebetween.

41. (Currently Amended) The kit of claim [[27]]25, wherein ~~an interior sidewall of the outer cylinder defines an aperture, and~~ association of the cap with the sample collection vessel is configured to cause a distal portion of the inner cylinder to move through the aperture defined by the interior sidewall of the outer cylinder to expose ~~[[a]]the~~ fluid vent defined by the distal portion of the inner cylinder.

42. (Previously Presented) The kit of claim 41, wherein the outer cylinder comprises threads on the interior sidewall configured to mate with threads on an exterior sidewall of the inner cylinder, and the respective threads are uncoupled when the distal portion of the inner cylinder moves through the aperture.

43. (Previously Presented) The kit of claim 41, wherein the outer cylinder comprises a sample collection reservoir sealing surface configured to create a fluid-tight seal between the outer cylinder and the opening of the sample collection reservoir when the outer cylinder is associated with the sample collection reservoir.

44. (Previously Presented) The kit of claim 25, wherein the movable annular valve is configured to close when the cap is at least partially disassociated from the sample collection vessel.

REMARKS

Upon entry to these amendments, claims 1, 8–15, 17, 25, 28–34, and 38–44 are pending in the present application. Claims 2–7, 16, and 18–24 were previously cancelled, without prejudice or disclaimer, and claims 1, 8–15, and 17 were previously withdrawn from consideration. In this response, claims 25, 28–29, and 38–41 are amended, and claims 26–27 and 35–37 are cancelled, without prejudice or disclaimer. Support for the claim amendments can be found throughout the application as originally filed.

Claim 25 is amended to incorporate the features of previous claims 26–27 and 35–37.

Claims 28–29 and 38–41 are amended to promote clarity and/or update dependencies.

No new matter is added.

Applicant respectfully notes that the amendments made to the claims are being presented merely to expedite the prosecution and allowance of the subject application and not as an admission or agreement with the Office's allegations of unpatentability as previously presented. Moreover, arguments raised by Applicant in this and previous papers are applicable only as to those specific embodiments to which such arguments were submitted. Applicant reserves the right to pursue claims directed to the previously presented claimed embodiments, the embodiments recited in the original claims, as well as any other embodiments supported by the present disclosure, in this or subsequent filings, including those which are broader in scope than the present and original claims.

Claim Rejections – 35 USC §102

Claims 25–44 are rejected under pre-AIA 35 U.S.C. 102b as being anticipated by US 2004/0200740 (“Cho”).¹ Applicant respectfully disagrees with respect to the claims as amended.

As an initial matter, previous claims 26–27 and 35–37 are canceled with this response, rendering the rejection thereof moot.

Claim 25 is amended to recite a movable annular valve comprising:

an inner cylinder in fluid-tight association with the cap and comprising a sidewall,
the sidewall comprising a fluid vent; and

¹ See Office Action at pages 2-7.

an outer cylinder in fluid-tight association with the inner cylinder and associated with the opening of the sample collection reservoir, the outer cylinder comprising an aperture defined by an interior sidewall of the outer cylinder,

wherein the aperture accommodates at least a portion of the inner cylinder,

wherein the interior sidewall obstructs the fluid vent when the movable annular valve is closed, and

wherein the interior sidewall does not obstruct the fluid vent when the movable annular valve is open.

As amended, claim 25 recites further structural distinctions over the teachings of Cho. Particularly, Cho is at least lacking the **movable annular valve** comprising **an inner cylinder** and **an outer cylinder** as recited in claim 25, wherein the inner cylinder is in fluid-tight association with the cap and comprises a sidewall, the sidewall comprising a **fluid vent**. In addition, Cho does not teach or suggest an outer cylinder as recited in claim 25, wherein an interior sidewall of the outer cylinder obstructs the fluid vent when the movable annular valve is closed, and wherein the interior sidewall does not obstruct the fluid vent when the movable annular valve is open.

Rather, the device in Cho comprises a **conical valve** that forms a fluid-tight seal between the additive containing unit (100M) and the **conical valve part** (14K).²

For at least the foregoing reasons, claim 25 and its dependent claims (i.e., claims 28–34 and 38–44) are novel over Cho. Applicant respectfully requests withdrawal of the rejection under 35 U.S.C. § 102b.

² See Cho at paragraphs [0028] and [0032]–[0033], and figure 4b.

CONCLUSION

Applicant respectfully submits that all of the issues raised in the outstanding Office Action have been addressed by this response, and all of the claims of the present application are in condition for allowance. Accordingly, Applicant respectfully requests that all outstanding rejections be withdrawn and the present application be allowed. **If there are any questions regarding this response, the Examiner is encouraged to contact Applicant's undersigned representatives at the telephone number provided below.**

Failure of Applicant to address a specific rejection, issue or comment, from the outstanding Action, or any prior USPTO paper, does not signify agreement with or concession of such rejection, issue or comment. In addition, the arguments made above are not intended to be exhaustive, as there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed in this paper. Finally, nothing in this paper, or in any prior response or communication filed by Applicant, should be construed as intent to concede any issue with regard to any claim, except as specifically stated.

Applicant notes again reservation of the right to pursue claims for the subject disclosure in either or both of the present and subsequent applications claiming benefit of the subject application (including any associated priority and parent applications). Such claims may include claims similar to the claims currently pending, earlier and original claims, including broader aspects of such embodiments currently or previously claimed, as well as other aspects and embodiments and inventions supported by the subject application and/or its associated priority and/or parent application(s). To that end, presentation of the claims in the subject application are relative only to particular embodiments among the many numerous embodiments and inventions (both broader and narrower) disclosed and/or taught by the present disclosure.

Applicant hereby authorizes and requests the Commissioner to charge any additional fees that may be required for consideration of this and/or any accompanying and/or necessary papers to Deposit Account No. 50-1283, Order No. OSHH-001/C03US 158166-2005. In the event that an extension of time is required (or which may be required in addition to that requested in a petition for an extension of time), Applicant requests that the Commissioner grant a petition for

Application No.: 16/879,506

Docket No.: OSHH-001/C03US 158166-2005

an extension of time required to make this response timely, and, Applicant hereby authorizes and requests that the Commissioner charge any fee or credit any overpayment for such an extension of time to Deposit Account No. 50-1283, Order No. OSHH-001/C03US 158166-2005.

Dated: December 29, 2020

Respectfully submitted,
COOLEY LLP

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(Chris) Chun L. Yu, J.D., Ph.D.
Reg. No. 68,138
Timothy R. McFadden, Ph.D.
Reg. No. 78,815

Electronic Acknowledgement Receipt

EFS ID:	41508009
Application Number:	16879506
International Application Number:	
Confirmation Number:	2760
Title of Invention:	Devices, solutions and methods for sample collection
First Named Inventor/Applicant Name:	Youssef BIADILLAH
Customer Number:	58249
Filer:	Timothy R. McFadden/Tracy Boone
Filer Authorized By:	Timothy R. McFadden
Attorney Docket Number:	OSHH-001C03US 158166-2005
Receipt Date:	29-DEC-2020
Filing Date:	20-MAY-2020
Time Stamp:	12:28:35
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		2020_12_29_OSHH_001_C03U S_RESPONSE.pdf	166774	yes	11
			8650cdf47e6f5f487c9becb55a1a49f980bb7b78		

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	7
Amendment/Req. Reconsideration-After Non-Final Reject	8	11

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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.



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COOLEY LLP ATTN: IP Docketing Department 1299 Pennsylvania Avenue, NW Suite 700 Washington, DC 20004			SIEFKE, SAMUEL P	
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Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

zIPPatentDocketingMailboxUS@cooley.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 16/879,506	Applicant(s) BIADILLAH et al.		
	Examiner SAMUEL P SIEFKE	Art Unit 1797	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
SAMUEL P SIEFKE	Primary Examiner	Telephonic
Chun Yu	Attorney of Record	
Timothy McFadden	Attorney of Record	
Nicole Dinaut	Agent	

Date of Interview: 08 January 2021

Issues Discussed:

35 U.S.C. 102

Amended claims 25, 28-34 and 38-44 in view of Cho. Applicant discussed figures 3a-3c of the instant invention in view of the amended claims. No agreement was reached with respect to allowable subject matter.

/SAMUEL P SIEFKE/ Primary Examiner, Art Unit 1797	
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: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor:	Youssef BIADILLAH	Confirmation No.:	2760
Application No.:	16/879,506	Group Art Unit:	1797
Filed:	May 20, 2020	Examiner:	S. P. Siefke
For:	DEVICES, SOLUTIONS AND METHODS FOR SAMPLE COLLECTION		

VIA EFS

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SUMMARY OF TELEPHONE INTERVIEW

In accordance with MPEP §713.04, this communication contains a summary of the substance of the telephone interview on January 8, 2021.

Applicant thanks Examiner Siefke for participating in the telephone interview on January 8, 2021 with Applicant's representatives, (Chris) Chun L. Yu, Timothy R. McFadden, and A. Nicole Dinaut.

During the interview, the parties discussed the amendment and response filed in the instant application on December 29, 2020. Specifically, Applicant's representatives described the features in the pending claims in view of FIGS. 3A-3C of the present application. Applicant's representatives also pointed out the distinctions between the pending claims and the device of Cho.

Dated: January 15, 2021

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Respectfully submitted,
COOLEY LLP

Electronic signature: /Chun L. Yu/
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Timothy R. McFadden, Ph.D.
Reg. No. 78,815



UNITED STATES PATENT AND TRADEMARK OFFICE

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NOTICE OF ALLOWANCE AND FEE(S) DUE

58249 7590 02/11/2021
COOLEY LLP
ATTN: IP Docketing Department
1299 Pennsylvania Avenue, NW
Suite 700
Washington, DC 20004

EXAMINER

SIEFKE, SAMUEL P

ART UNIT

PAPER NUMBER

1797

DATE MAILED: 02/11/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/879,506	05/20/2020	Youssef BIADILLAH	OSHH-001C03US 158166-2005	2760

TITLE OF INVENTION: Devices, solutions and methods for sample collection

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	05/11/2021

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 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity 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 and an extra copy of the form should be submitted. 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/Patent/MaintenanceFees.

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)

58249 7590 02/11/2021
COOLEY LLP
ATTN: IP Docketing Department
1299 Pennsylvania Avenue, NW
Suite 700
Washington, DC 20004

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.
16/879,506	05/20/2020	Youssef BIADILLAH	OSHH-001C03US 158166-2005	2760

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nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	05/11/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
SIEFKE, SAMUEL P	1797	436-166000

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/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 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, 1 _____
- (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. 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. _____



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16/879,506	05/20/2020	Youssef BIADILLAH	OSHH-001C03US 158166-2005	2760
58249	7590	02/11/2021	EXAMINER SIEPKE, SAMUEL P	
COOLEY LLP ATTN: IP Docketing Department 1299 Pennsylvania Avenue, NW Suite 700 Washington, DC 20004			ART UNIT 1797	PAPER NUMBER
DATE MAILED: 02/11/2021				

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.

Spectrum Ex. 1012
IPR Petition - USP 11,002,646

Notice of AllowabilityApplication No.
16/879,506Applicant(s)
BIADILLAH et al.Examiner
SAMUEL P SIEFKEArt Unit
1797AIA (FITF) Status
No**-- 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 12/29/20.
☐ 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 25,28-34 and 38-44. 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 _____.

/SAMUEL P SIEFKE/
Primary Examiner, Art Unit 1797

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

EXAMINER'S 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.

The application has been amended as follows:

Claims 1, 8-15 and 17 are cancelled.

Allowable Subject Matter

Claims 25, 28-34, 38-44 are allowed.

The following is an examiner's statement of reasons for allowance: Claim 25 is allowable because the prior art does not teach a kit for collecting and preserving a biological sample, the kit comprising: a sample collection vessel, the sample collection vessel comprising: a sample collection reservoir having an opening configured to receive the biological sample from a user into the sample collection reservoir; a connection member disposed on an exterior portion of the sample collection vessel and

adjacent to the opening; a cap, the cap comprising: a reagent chamber configured to store a reagent; and a complementary connection member configured to engage the connection member of the sample collection vessel; and a movable annular valve configured to associate with the cap and with the opening of the sample collection reservoir, the movable annular valve comprising: an inner cylinder in fluid-tight association with the cap and comprising a sidewall, the sidewall comprising a fluid vent; and an outer cylinder in fluid-tight association with the inner cylinder and associated with the opening of the sample collection reservoir, the outer cylinder comprising an aperture defined by an interior sidewall of the outer cylinder, wherein the aperture accommodates at least a portion of the inner cylinder, wherein the interior sidewall obstructs the fluid vent when the movable annular valve is closed, and wherein the interior sidewall does not obstruct the fluid vent when the movable annular valve is open.

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 SAMUEL P SIEFKE whose telephone number is (571)272-1262. The examiner can normally be reached on Monday, Tuesday, Thursday, Friday, 8-6.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lyle Alexander can be reached on 571-272-1254. 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 <https://ppair-my.uspto.gov/pair/PrivatePair>. 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

Application/Control Number: 16/879,506
Art Unit: 1797

Page 5

to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SAMUEL P SIEFKE/
Primary Examiner, Art Unit 1797