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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	08/09/2022	11406402	145404-8001.US07	7707

25096 7590 07/20/2022
PERKINS COIE LLP - SEA General
PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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):

Derek Dee Deville, Coral Gables, FL;
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M. Sean McBrayer, Coral Gables, FL;
Eric Peterson, Homestead, FL;

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

RapidPulse, Inc., Miami, FL;

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Receipt date: 04/07/2022

17/650,835 - GAU: 3771

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Field

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. 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	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 3 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	45	8287654	2012-10-16	Gulf Medical Holdings, LLC	
	46	8333796	2012-12-18	Penumbra, Inc.	
	47	8337452	2012-12-25	Seto et al.	
	48	8366726	2013-02-05	Gynx LLC	
	49	8366735	2013-02-05	Bose et al.	
	50	8388570	2013-03-05	Kumar, Atul et al.	
	51	8435225	2013-05-07	Fox Hollow Technologies, Inc.	
	52	8460312	2013-06-11	Bose et al.	
	53	8465439	2013-06-18	Parks	
	54	8465507	2013-06-18	IDX Medical, Ltd.	
	55	8518017	2013-08-27	Michael Caluori	
	56	8560870	2013-10-29	Mecha-Medic Solution Sdn. Bhd.	
	57	8591464	2013-11-26	Kumar, Atul et al.	
	58	8617106	2013-12-31	Alcon Research, Ltd.	
	59	8636754	2014-01-28	Atricle, Inc.	
	60	8647294	2014-02-11	MEDRAD, Inc.	
	61	8652091	2014-02-18	Seto et al.	
	62	8680907	2014-04-08	Incora Therapeutics, Inc.	
	63	8715314	2014-05-06	Incora Therapeutics, Inc.	
	64	8721595	2014-05-13	Stiehl Technologies, L.C.	
	65	8770542	2014-07-08	Mt. Derm GmbH et al. Loth, et al.	
	66	8814778	2014-08-26	Atricle, Inc.	

Change(s) applied
to document

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
<small>*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.</small>			
<small>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 I-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.</small>			
<small>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.</small>			

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/

Docket No.: 145404-8001.US07
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Derek Dee Deville et al.

Application No.: 17/650,835

Confirmation No.: 7707

Filed: February 11, 2022

Art Unit: 3771

For: **ASPIRATION THROMBECTOMY SYSTEM
AND METHODS FOR THROMBUS
REMOVAL WITH ASPIRATION
CATHETER**

Examiner: Jonathan Wade Miles

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Commissioner for Patents
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Commissioner:

Responsive to the Notice to File Corrected Application Papers dated May 3, 2022, please amend the above-identified U.S. patent application as follows:

Amendments to the Drawings begin on page 2 of this paper and include attached replacement sheets.

Remarks begin on page 3 of this paper.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/650,835

RECEIPT DATE / TIME
07/05/2022 09:10:59 PM ET

ATTORNEY DOCKET #
145404-8001.US07

Title of Invention

ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH
ASPIRATION CATHETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7707

FILED BY Jessica Raucci

PATENT CENTER # 60761803

FILING DATE 02/11/2022

CUSTOMER # 25096

FIRST NAMED
INVENTOR Derek Dee Deville

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Paul Parker

Documents

TOTAL DOCUMENTS: 4

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2022-07-05_ReplacementSheets_1454048001US07.PDF	14	Drawings-only black and white line drawings	2263 KB
2022-07-05_Resp_NFCAP_1454048001US07.pdf	4	-	24 KB
2022-07-05_Resp_NFCAP_1454048001US07-PEFR.pdf	(1-1) 1	Applicant Response to Pre-Exam Formalities Notice	16 KB
2022-07-05_Resp_NFCAP_1454048001US07-PEFR.pdf	(2-2) 1	Drawings-only black and white line drawings	14 KB

001US07-DRW.pdf

2022-07-05_Resp_NFCAP_1454048	(3-4)	2	Applicant Arguments/Remarks Made in an Amendment	19 KB
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001US07-REM.pdf

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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2022-07-05_Resp_NFCAP_1454048001US07-REM.pdf	B885A6A5EBE23223714757A61C34725BD67CB54DDA3F7783259B699CC188C5406982695C7D6BFFEDD2C58F08DB08C35362020B77940E286CA03E517C4092ACEA

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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

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.

06/29
REPLACEMENT SHEET

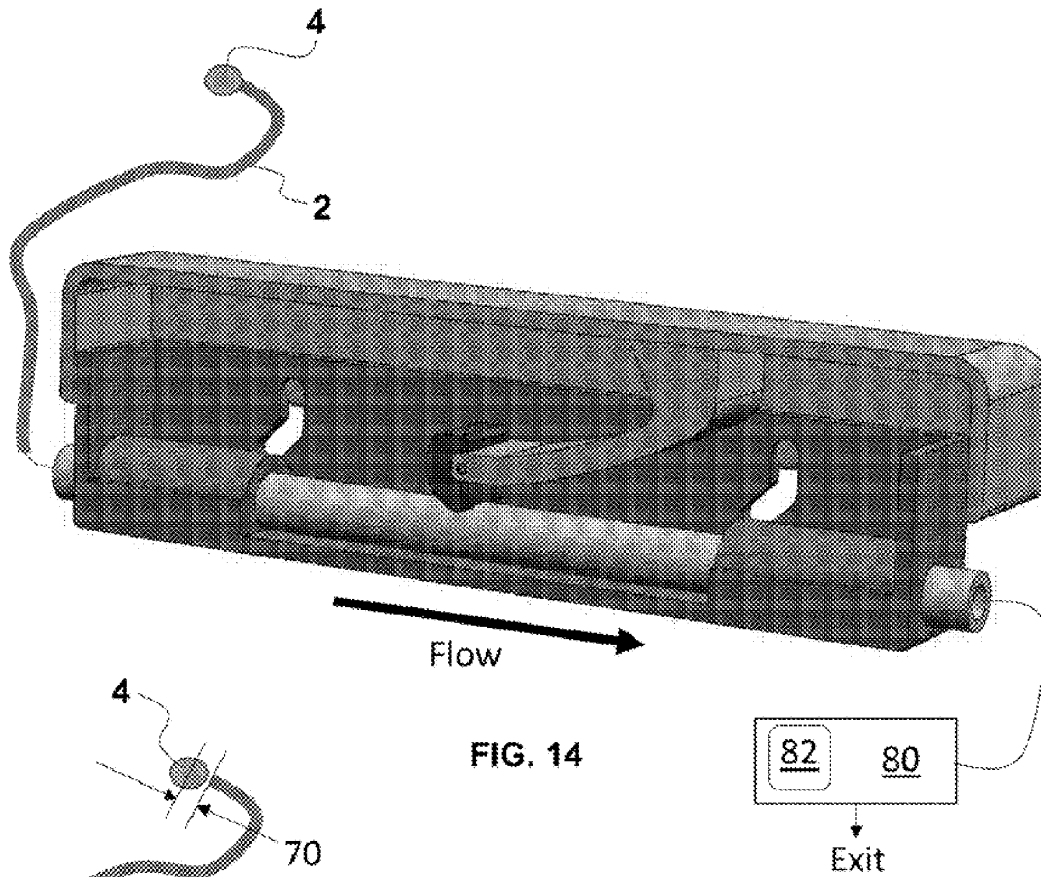
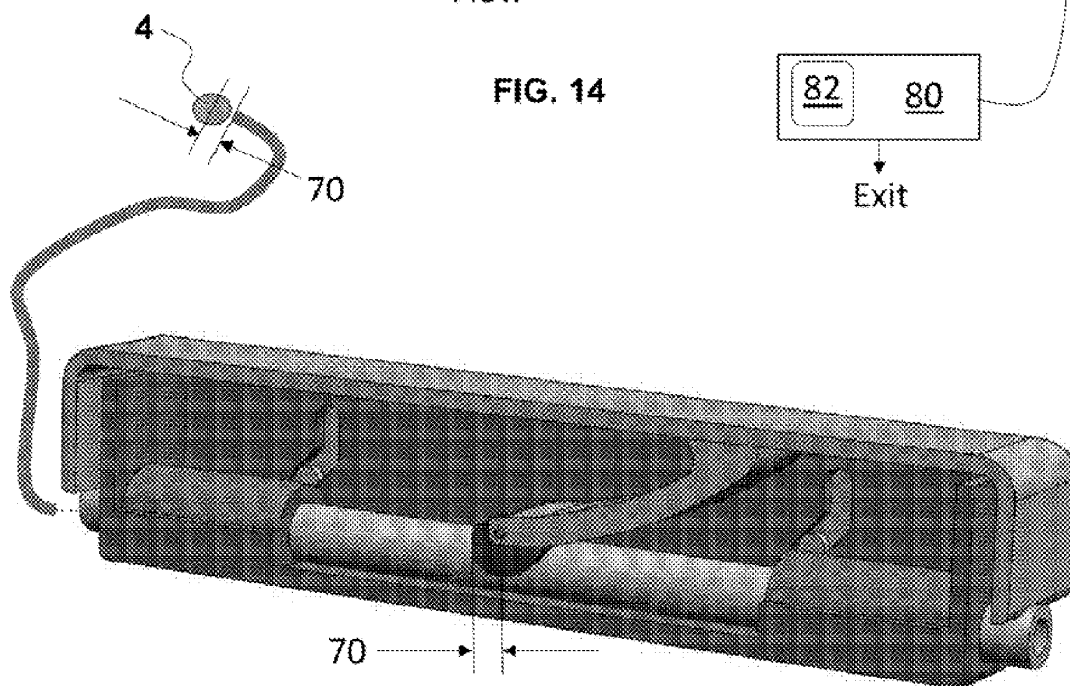
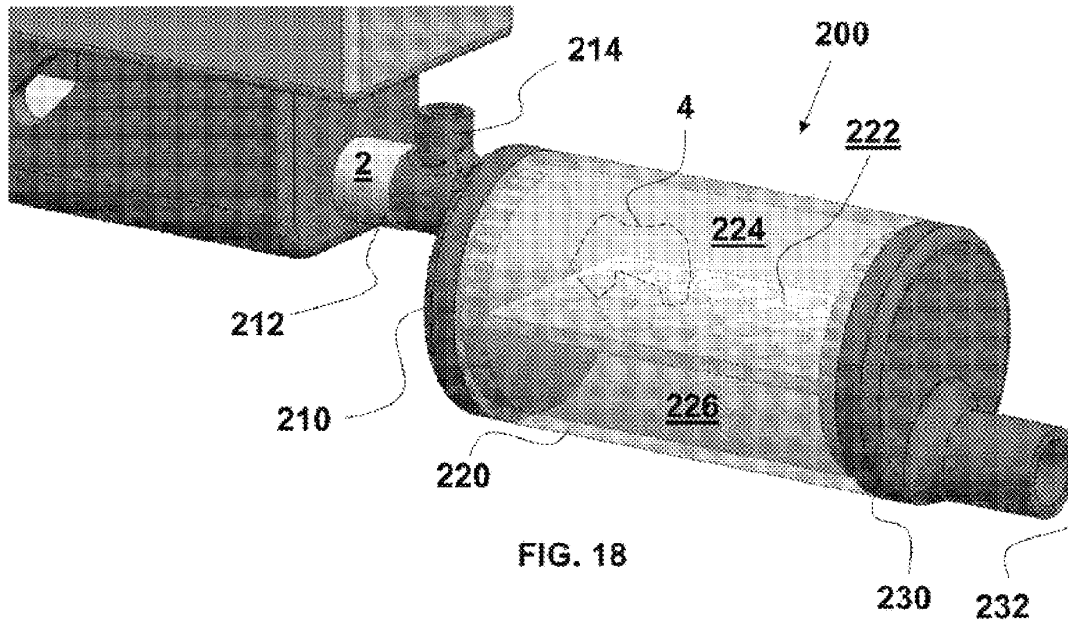
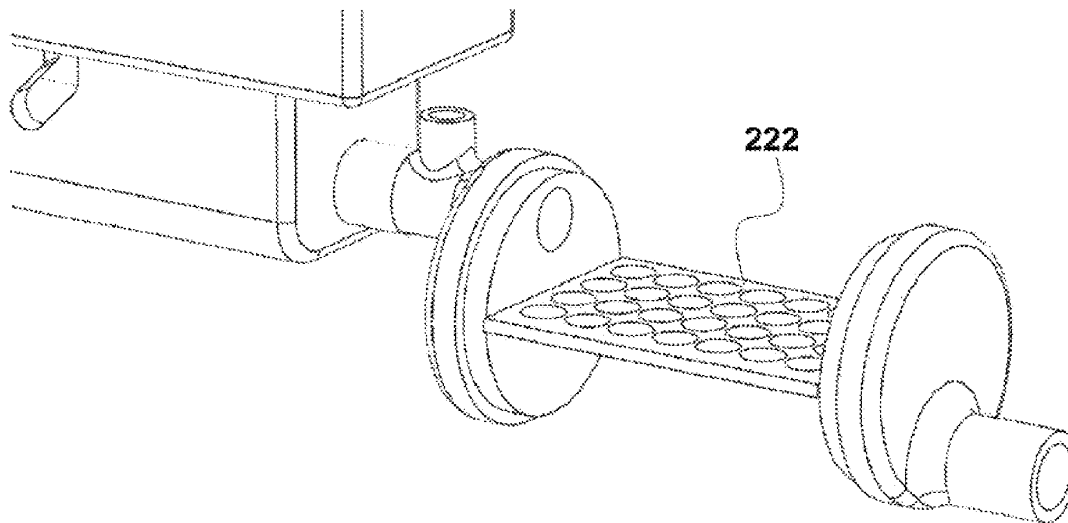


FIG. 15

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REPLACEMENT SHEET



15/29
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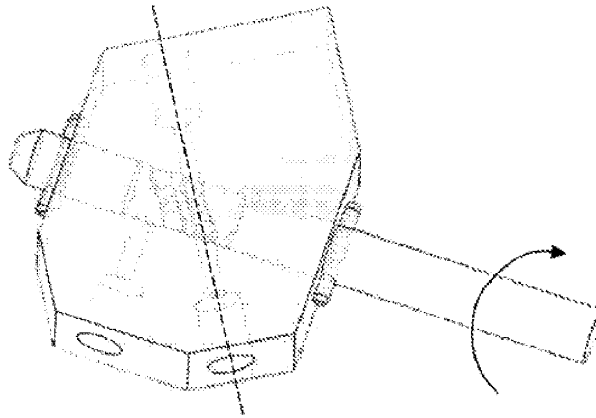


FIG. 42

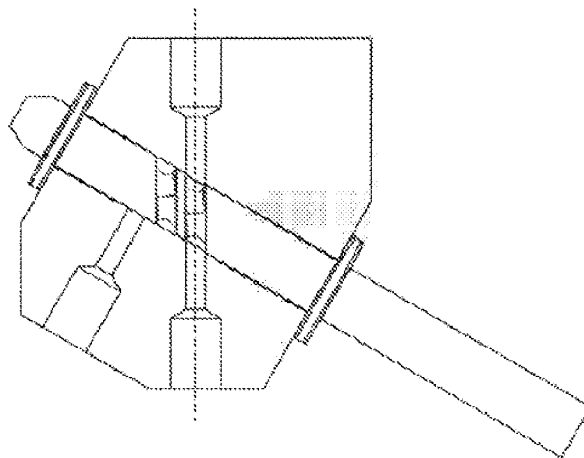


FIG. 43

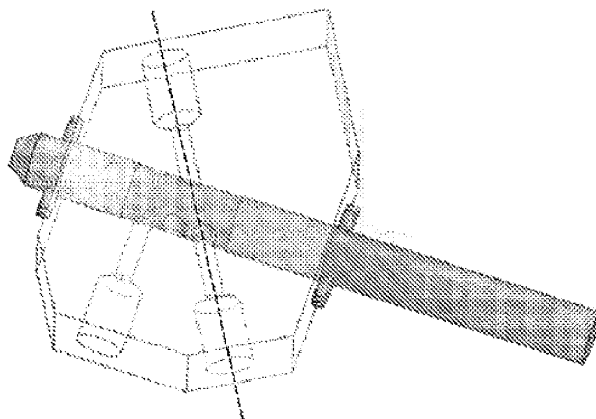


FIG. 44

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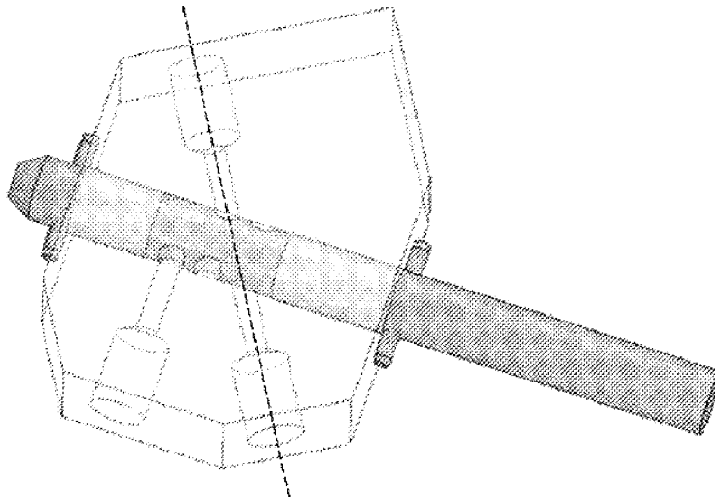


FIG. 45

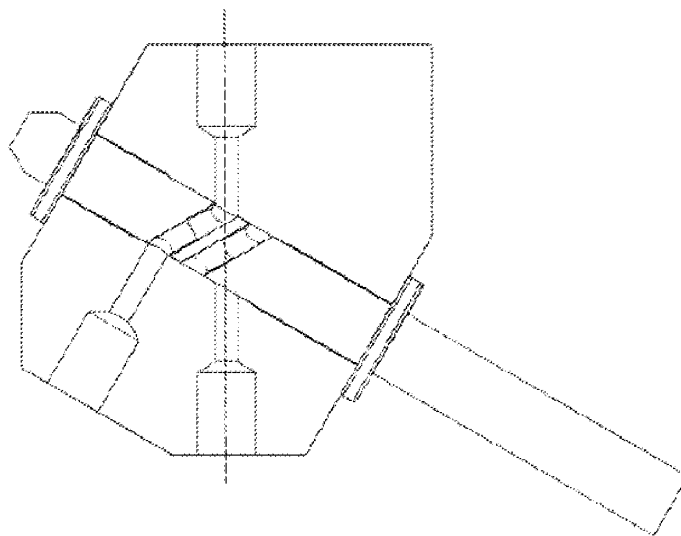
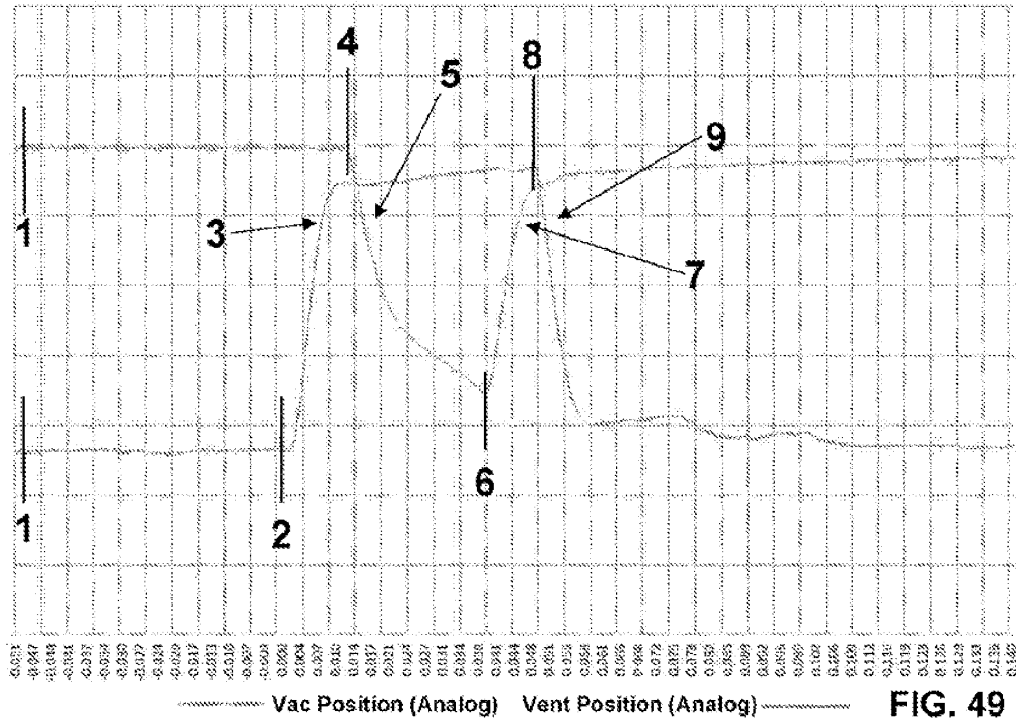
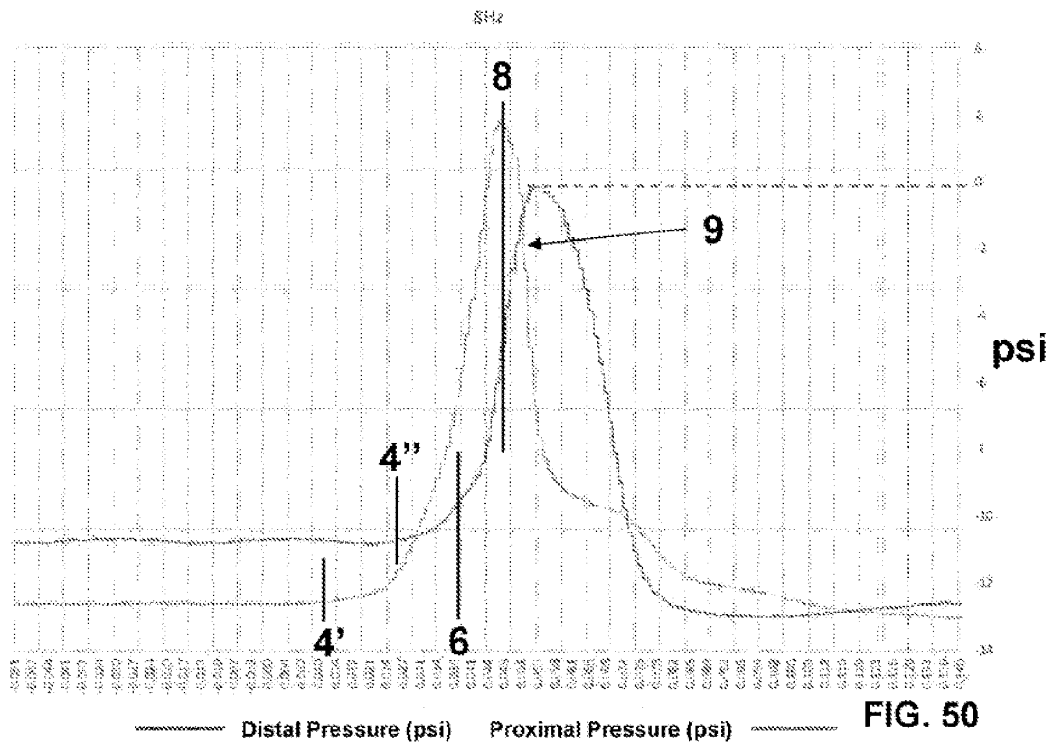
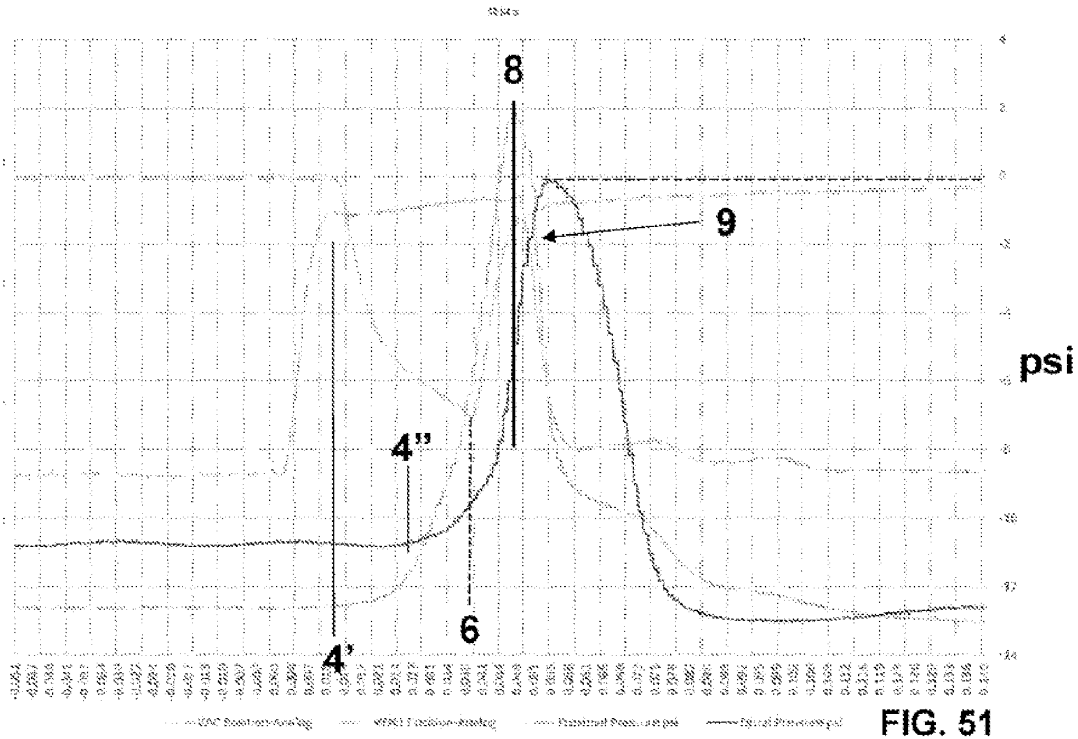
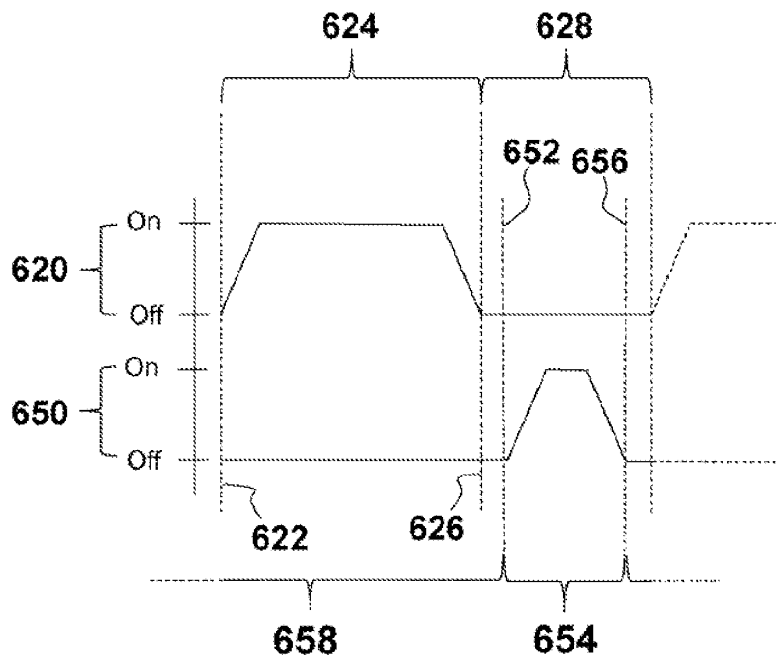


FIG. 46

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REPLACEMENT SHEET



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REPLACEMENT SHEET



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REPLACEMENT SHEET

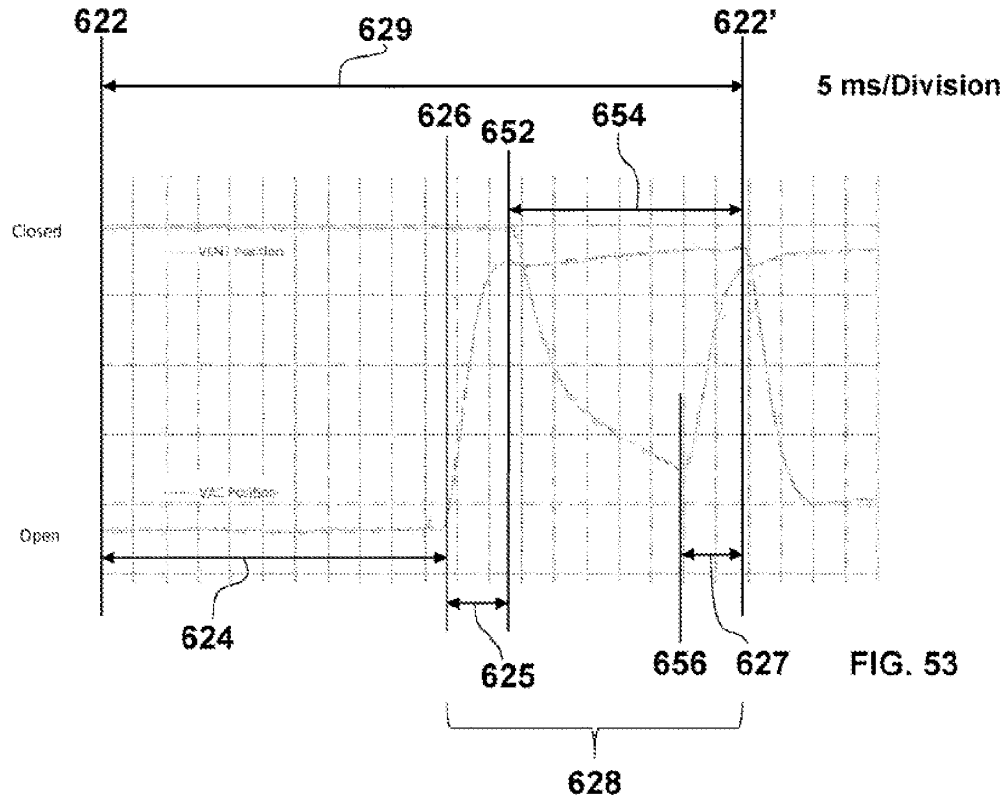
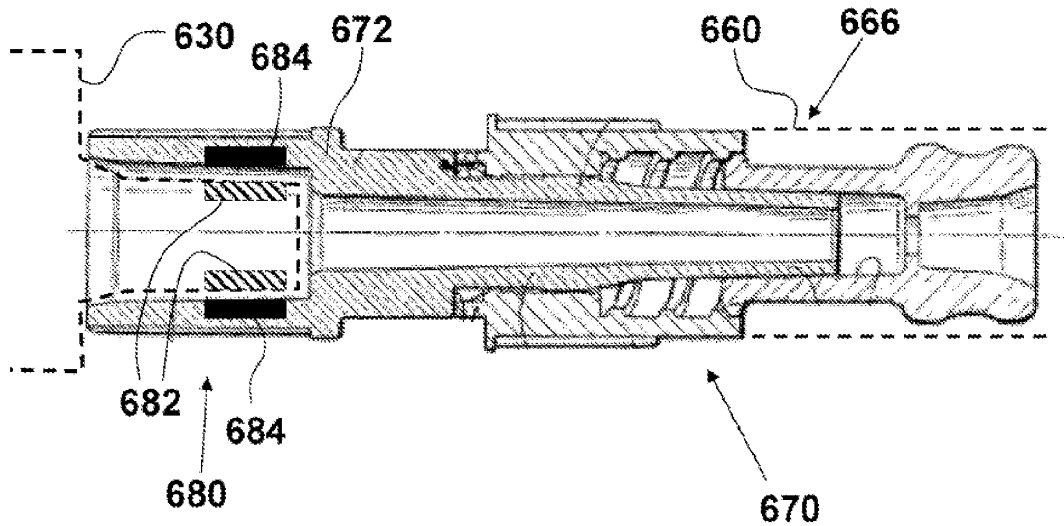


FIG. 54

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REPLACEMENT SHEET

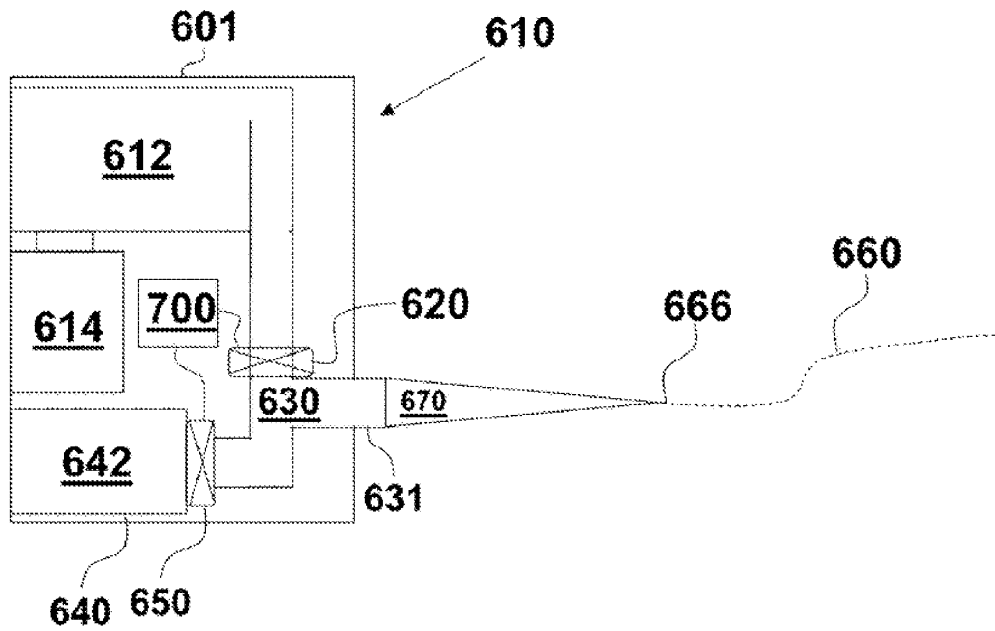


FIG. 55

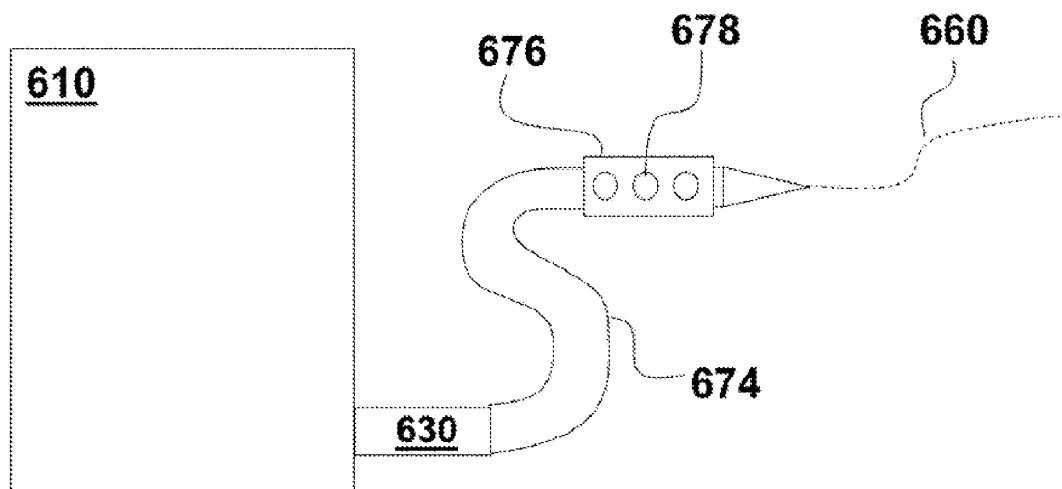


FIG. 56

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REPLACEMENT SHEET

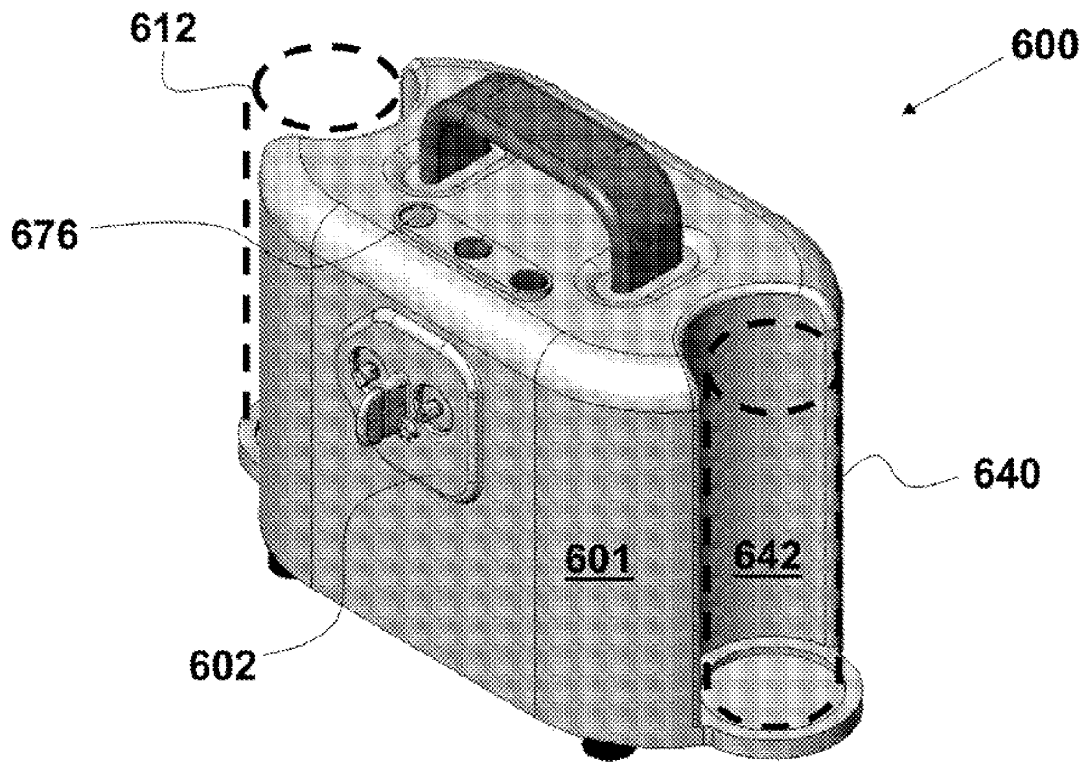


FIG. 57

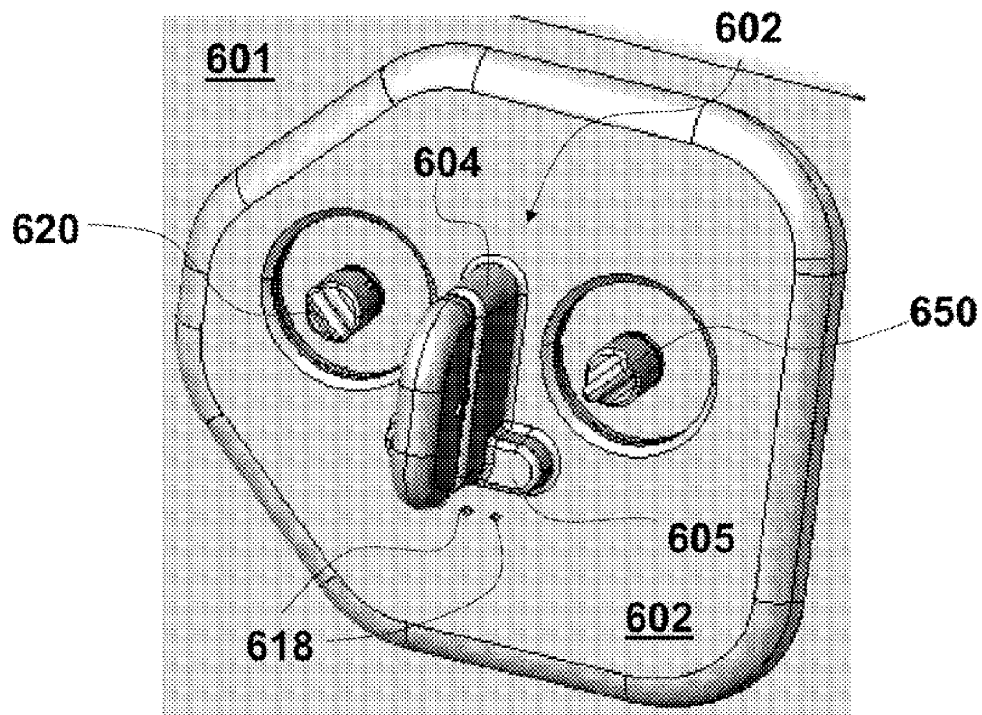


FIG. 58

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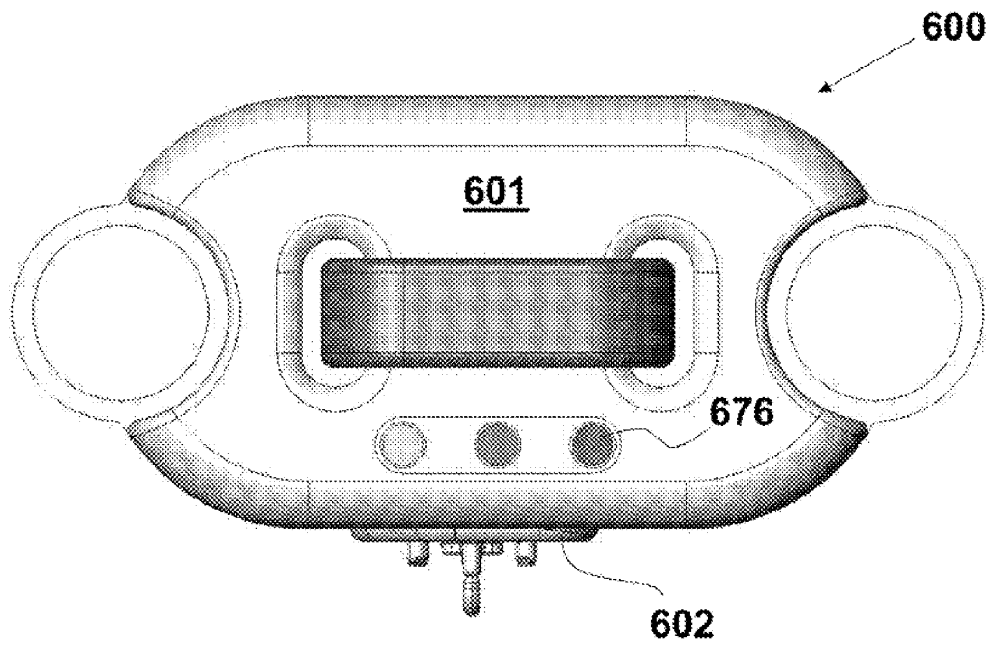


FIG. 59

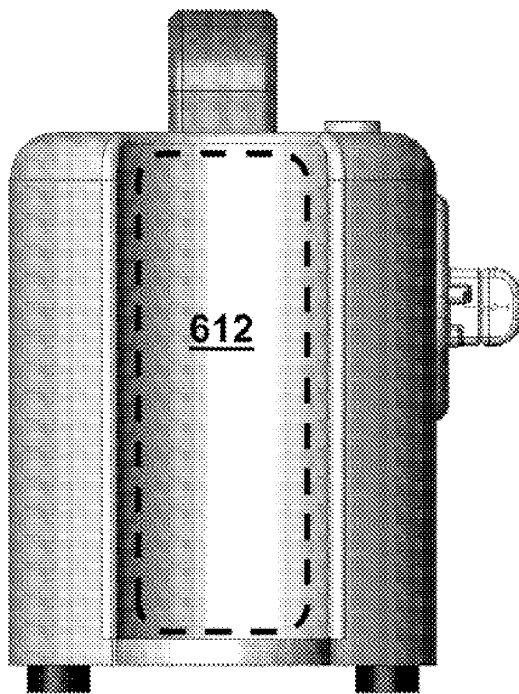


FIG. 60

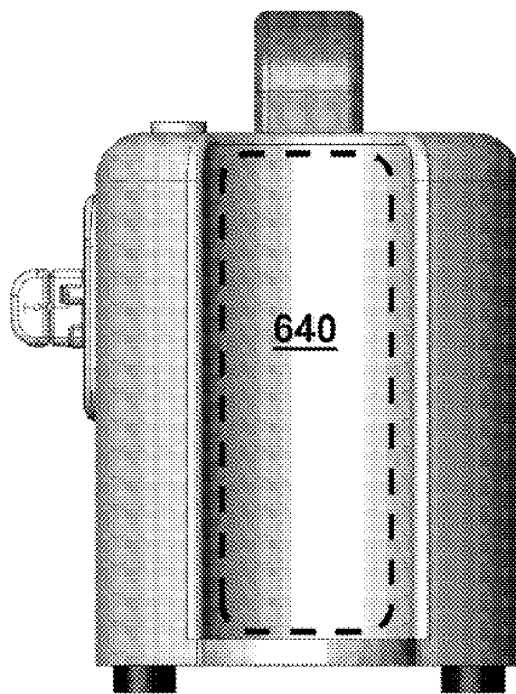


FIG. 61

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REPLACEMENT SHEET

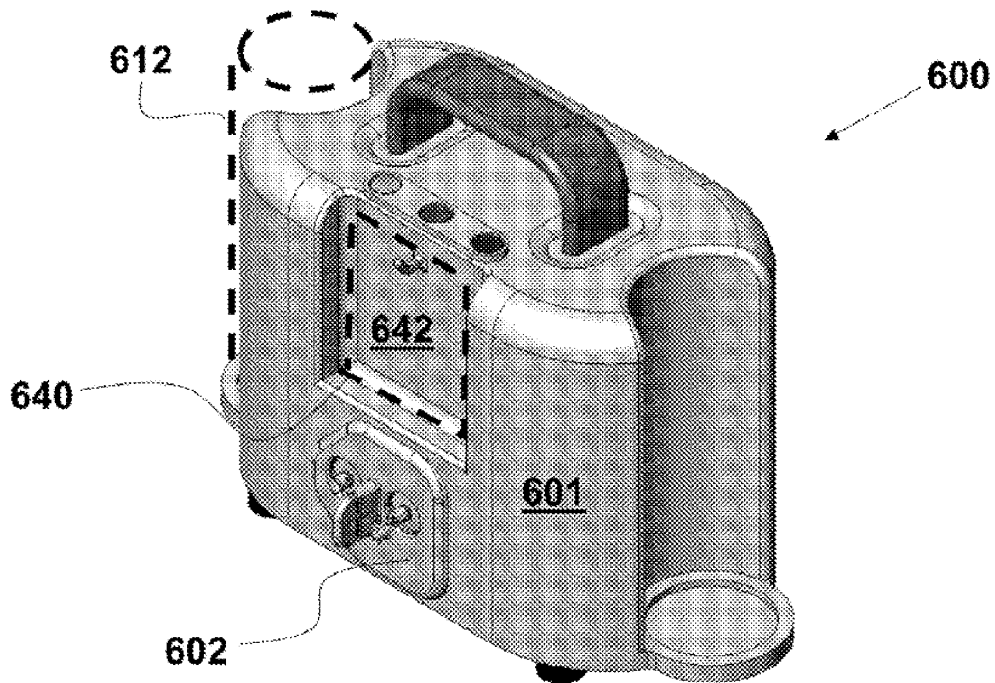


FIG. 62

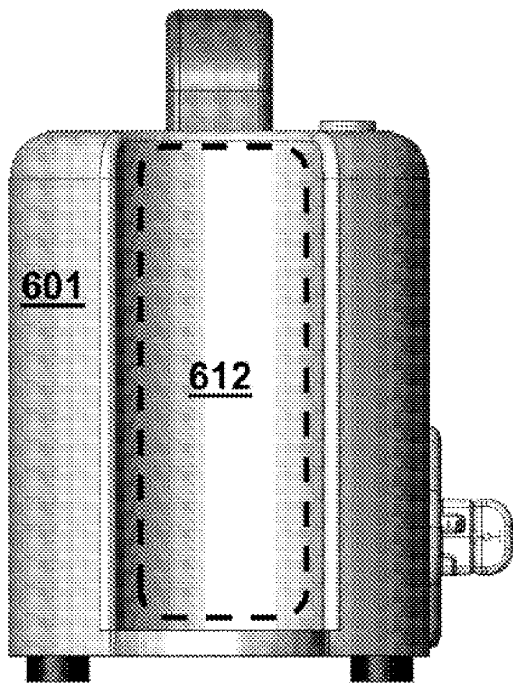


FIG. 63

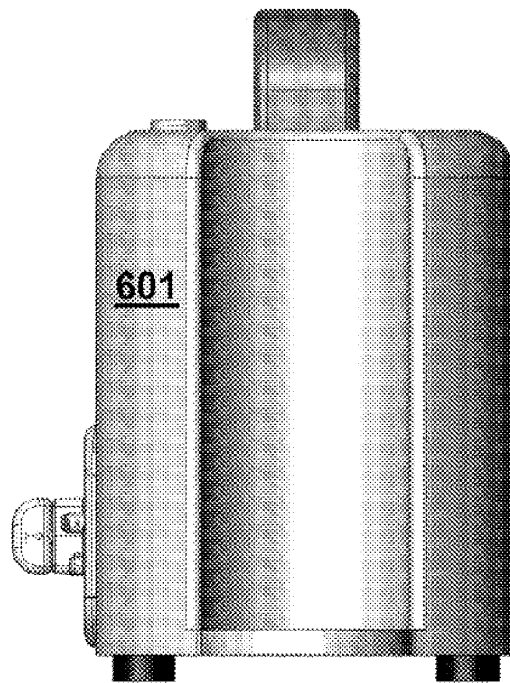
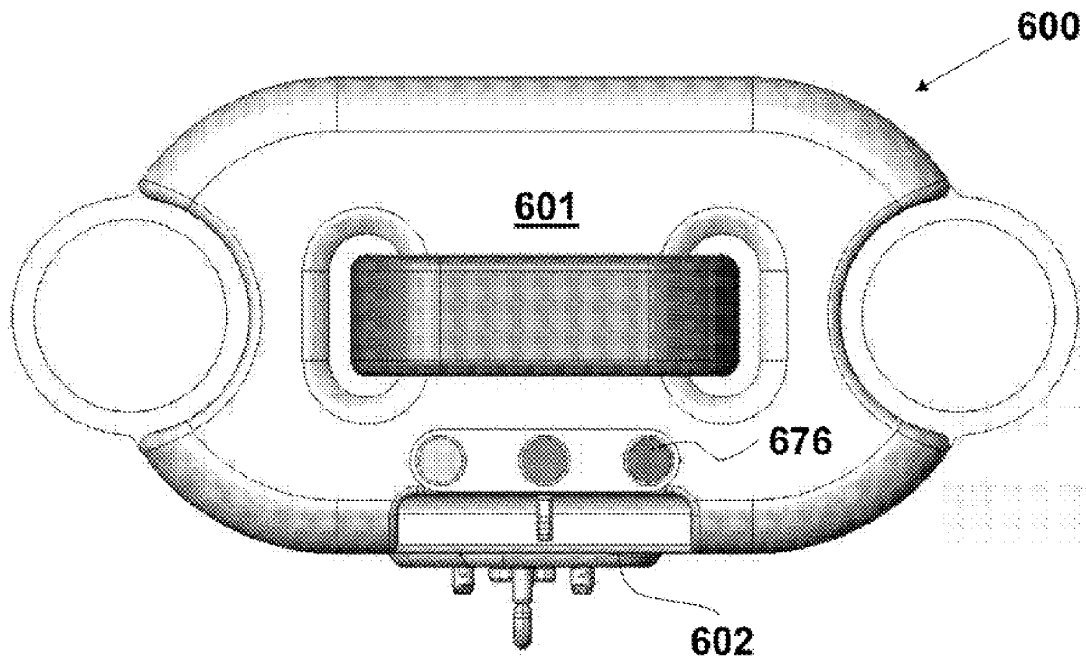
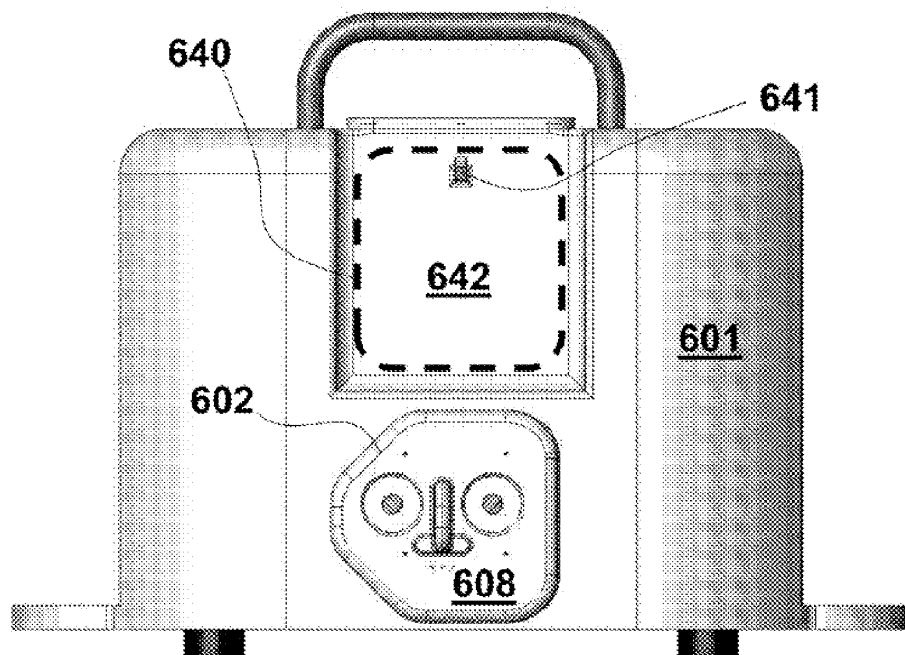


FIG. 64

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REPLACEMENT SHEET



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REPLACEMENT SHEET

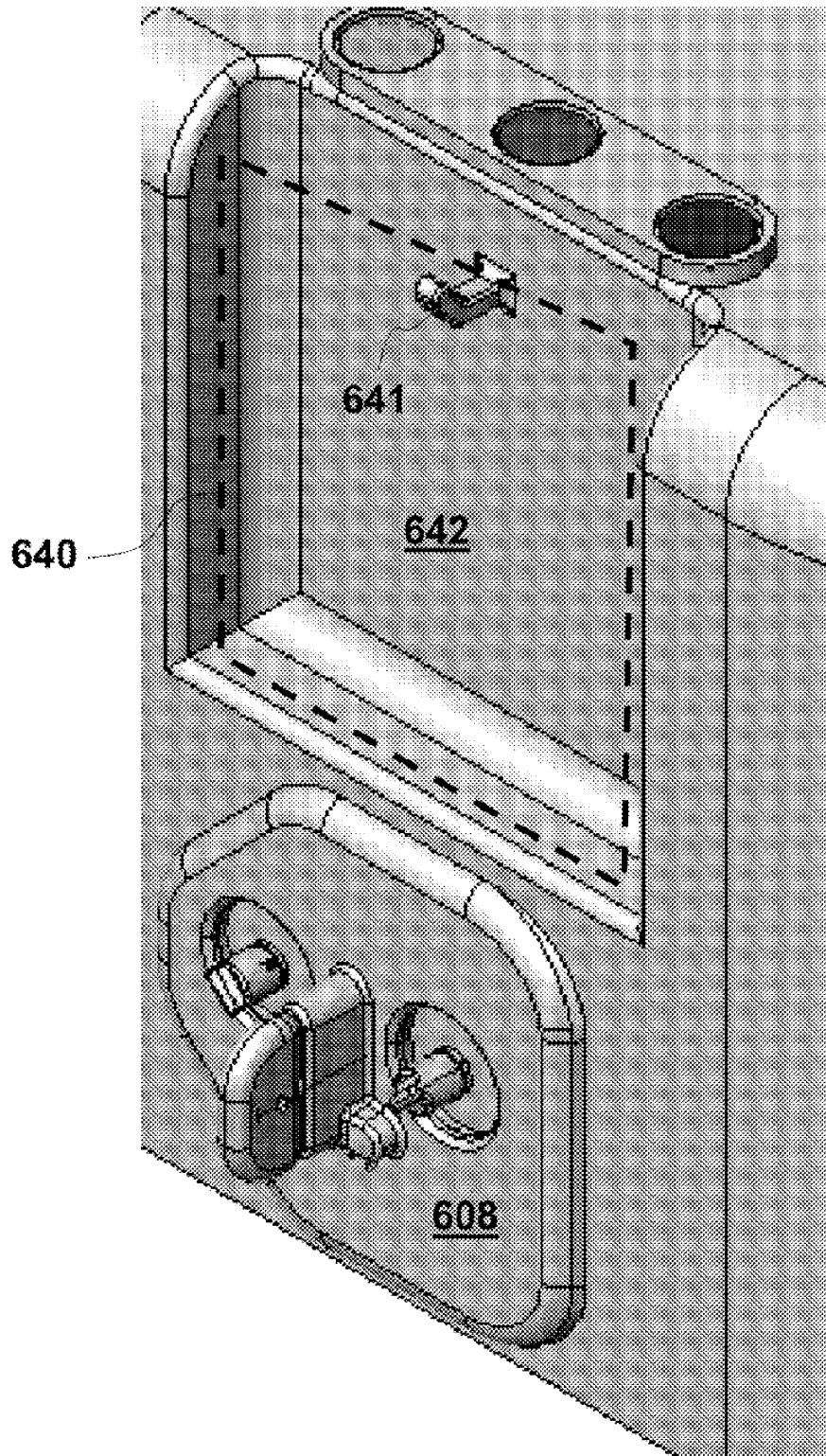
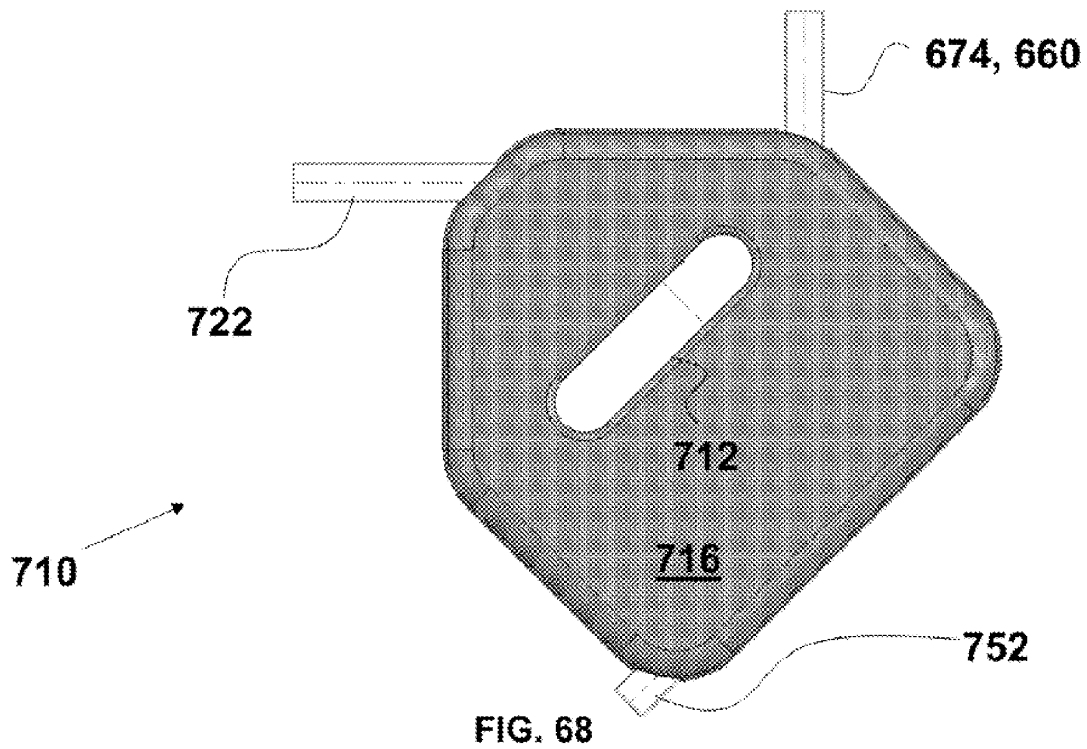
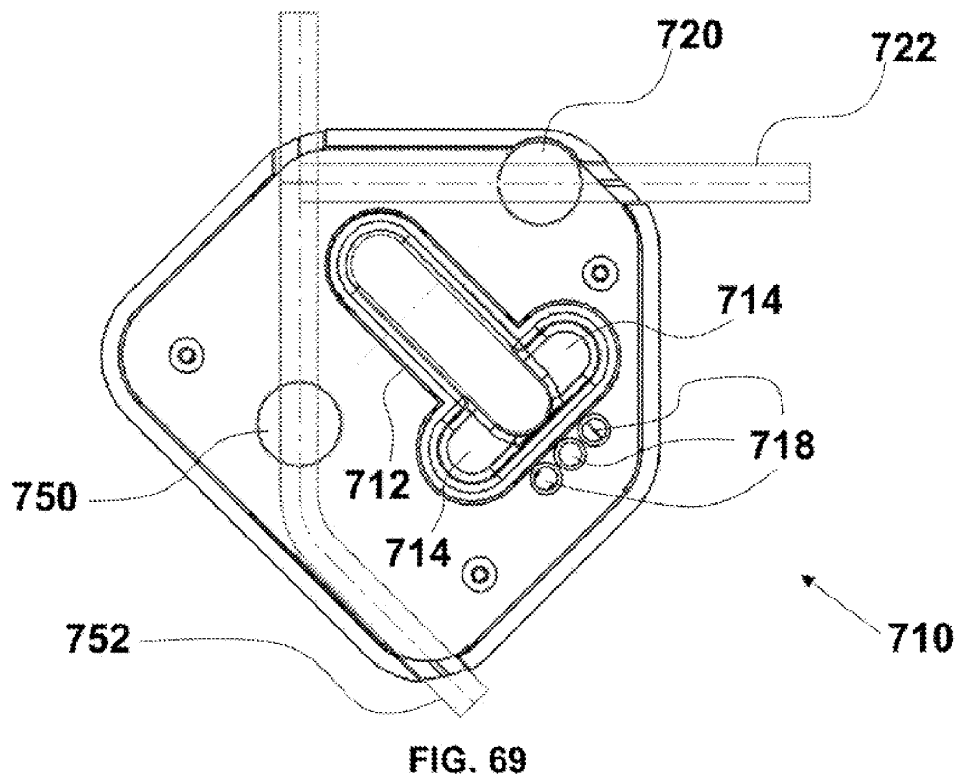


FIG. 67

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REPLACEMENT SHEET



AMENDMENTS TO THE DRAWINGS

Attached are fourteen (14) Replacement Sheets for Figures 15, 18, 42-46, 50, 51, 53-55, and 57-68.

REMARKS

In response to Notice to File Corrected Application Papers dated May 3, 2022, Applicant submits the present Replacement Drawings Sheets. In regard to the noted Identification of Drawing Deficiencies, please note the following:

FIG(s) 51 has been updated that no ink stamp or the image thereof obscures part of the illustration;

FIG(s) 50, 51, and 53 are updated that no character of the lines, numbers, and letters is poor;

FIG(s) 42-46 are updated that no drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration;

FIG(s) 54 and 54 are updated that no reference number, or part of the drawing is truncated or missing, or a lead line has no reference number; and

FIG(s) 15, 18, and 57-68 are updated that the subject utility application does not contain a photograph of a view that is capable of being illustrated as a line drawing.

Please note the replacement sheets are from U.S. Patent No. 10,531,883 in which the subject application claims priority to and Figures 15, 18, 42-46, 50, 51, 53-55, and 57-68 were approved for publication of the issued application.

The Applicant has provided the necessary information in order to correct the defects in the originally submitted drawings. Please charge any deficiency or overpayment to our Deposit Account No. 50-0665, under Order No. 145404-8001.US07 from which the undersigned is authorized to draw.

Dated: 2020 July 05

Respectfully submitted,

By /Paul T. Parker/
Paul T. Parker
Registration No.: 38,264
PERKINS COIE LLP
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(206) 359-8000
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Attorney for Applicant



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APPLICATION #
17/650,835

RECEIPT DATE / TIME
06/01/2022 08:32:28 PM ET

ATTORNEY DOCKET #
145404-8001.US07

Title of Invention

ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH
ASPIRATION CATHETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7707

FILED BY Jessica Raucci

PATENT CENTER # 60697292

FILING DATE 02/11/2022

CUSTOMER # 25096

FIRST NAMED INVENTOR
Derek Dee Deville

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Paul Parker

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2022-06-01_IssueFee_1454048001US07.PDF	2	-	152 KB
2022-06-01_IssueFee_1454048001US07-IFEE.pdf	(1-1) 1	Issue Fee Payment (PTO-85B)	126 KB
2022-06-01_IssueFee_1454048001US07-N427.pdf	(2-2) 1	Post Allowance Communication - Incoming	18 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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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

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New International Application Filed with the USPTO as a Receiving Office

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APPLICATION #
17/650,835

RECEIPT DATE / TIME
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ATTORNEY DOCKET #
145404-8001.US07

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ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH
ASPIRATION CATHETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7707

FILED BY Jessica Raucci

PATENT CENTER # 60697292

AUTHORIZED BY Paul Parker

CUSTOMER # 25096

FILING DATE 02/11/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Derek Dee Deville

Payment Information

PAYMENT METHOD
CARD / 8743

PAYMENT TRANSACTION ID
E202261K33554641

PAYMENT AUTHORIZED BY
Jessica Raucci

PRE-AUTHORIZED ACCOUNT
500665

PRE-AUTHORIZED CATEGORY
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)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	600.00	1	600.00
TOTAL AMOUNT:				\$600.00

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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

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.

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)

25096 7590 04/19/2022
PERKINS COIE LLP - SEA General
PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247

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.

Jessica E. Raucci	(Typed or printed name)
/Jessica E. Raucci/	(Signature)
June 1, 2022	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707

TITLE OF INVENTION: ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH ASPIRATION CATHETER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$600	\$0.00	\$0.00	\$600	07/19/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
MILES, JONATHAN WADE	3771	606-127000

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 Perkins Coie LLP

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

RapidPulse, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Miami, Florida, U.S.A.

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. 50-0665

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 /Paul T. Parker/

Date 2022 June 1

Typed or printed name Paul T. Parker

Registration No. 38,264

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Derek Dee Deville et al.

Application No.: 17/650,835

Confirmation No.: 7707

Filed: February 11, 2022

Art Unit: 3771

For: **ASPIRATION THROMBECTOMY SYSTEM
AND METHODS FOR THROMBUS
REMOVAL WITH ASPIRATION CATHETER** Examiner: Jonathan Wade Miles

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

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

Commissioner:

In the Notice of Allowability mailed April 19, 2021, the Examiner allowed claims 1-20. Although Applicant agrees with the Examiner's conclusion that these claims are allowable, Applicant notes that the claims may be allowable for reasons other than those identified by the Examiner and does not concede that the Examiner's characterizations of the terms of the claims and the prior art are correct.

Dated: 2022 June 1

Respectfully submitted,

By /Paul T. Parker/
Paul T. Parker
Registration No.: 38,264
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247
(206) 359-3258
(206) 359-9000 (Fax)
Attorney for Applicant



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07

CONFIRMATION NO. 7707

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PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247

PUBLICATION NOTICE



OC000000134118016

Title:ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH ASPIRATION CATHETER

Publication No.US-2022-0160380-A1

Publication Date:05/26/2022

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 publicly 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 Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707
25096 7590 05/12/2022 PERKINS COIE LLP - SEA General PATENT-SEA P.O. BOX 1247 SEATTLE, WA 98111-1247			EXAMINER MILES, JONATHAN WADE	
			ART UNIT 3771	PAPER NUMBER
			NOTIFICATION DATE 05/12/2022	DELIVERY MODE 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):

patentprocurement@perkinscoie.com

Corrected Notice of Allowability	Application No. 17/650,835	Applicant(s) Deville et al.	
	Examiner WADE MILES	Art Unit 3771	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 the Corrected Notice of Allowance mailed 5/5/22 and the IDS filed 4/7/22.
☐ 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 1-20 . 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 _____
---	--

/WADE MILES/ Primary Examiner, Art Unit 3771	
---	--

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

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 1 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	3955574	1976-05-11	Rubinstein	
	2	4164223	1979-08-14	Munib, Hamza I.	
	3	4315506	1982-02-16	Airco, Inc.	
	4	4458877	1984-07-10	The Kendall Company	
	5	4662871	1987-05-05	Stephen Rafelson	
	6	4696669	1987-09-29	Menhusen, Monty J.	
	7	4767403	1988-08-30	The BOC Group, Inc.	
	8	4902276	1990-02-20	The Regents Of The University Of California	
	9	4911399	1990-03-27	Anglo-American, Inc.	
	10	5254085	1993-10-19	Xomed-Treace Inc.	
	11	5318546	1994-06-07	Bierman, Steven F.	
	12	5496267	1996-03-05	Possis Medical, Inc.	
	13	5704584	1998-01-06	Zevex, Inc.	
	14	6027490	2000-02-22	Radord et al.	
	15	6199792	2001-02-27	CardioThoracic System	
	16	6200276	2001-03-13	Biesel et al.	
	17	6226843	2001-05-08	Design Standards Corporation	
	18	6261283	2001-07-17	Aleon Universal Ltd.	
	19	6280429	2001-08-28	Lewis et al.	
	20	6423027	2002-07-23	Saphir Medical Products GmbH	
	21	6423028	2002-07-23	Saphir Medical	
	22	6471683	2002-10-29	Possis Medical, Inc.	

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
<small>*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.</small>			
<small>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 t-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.</small>			
<small>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.</small>			

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Field

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	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 2 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	23	6500792	2000-03-18	Ferton Holding, S.A.	
	24	0005074	2000-08-12	Medtronic AVE, Inc.	
	25	6689109	2004-02-10	Lawrence A. Lynn	
	26	6887220	2005-05-03	Gore Enterprise Holdings, Inc.	
	27	6900189	2005-11-01	Gore Enterprise Holdings	
	28	7004931	2006-02-20	Gore Enterprise Holdings, Inc.	
	29	7033336	2006-04-25	Hogendijk	
	30	7178699	2007-02-20	Anheuser-Busch, Inc.	
	31	7472882	2009-01-06	Spray et al.	
	32	7530976	2009-05-12	Fox Hollow Technologies, Inc.	
	33	7641170	2010-01-05	Spray et al.	
	34	7713278	2010-05-11	Microline Surgical, Inc.	
	35	7717853	2010-05-18	Nita, Henry	
	36	7842010	2010-11-30	MEDRAD, Inc.	
	37	7840128	2010-12-07	Abbott Medical Optics, Inc.	
	38	7901374	2011-03-08	Saiko-Epson Corporation	
	39	7918822	2011-04-05	Alka Kumar et al.	
	40	7991659	2011-04-26	Penumbra, Inc.	
	41	7955318	2011-06-07	Schultz et al.	
	42	7976515	2011-07-12	Todd Murphy et al.	
	43	7998168	2011-08-16	Kleimann Sr. Robert C	
	44	8206374	2012-06-26	Medtronic Vascular, Inc.	

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Examiner Signature		Date Considered	
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<small>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 t-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.</small>			
<small>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.</small>			

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Doc code: IDS
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Sheet 3 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	45	8207654	2012-10-16	Gulf Medical Holdings, LLC	
	46	8333796	2012-12-18	Penumbra, Inc.	
	47	8337452	2012-12-25	Seto et al.	
	48	8366726	2013-02-05	Gyrx LLC	
	49	8366735	2013-02-05	Bose et al.	
	50	8388570	2013-03-05	Kumar, Atul et al.	
	51	8435225	2013-05-07	Fox Hollow Technologies, Inc.	
	52	8460312	2013-06-11	Bose et al.	
	53	8465439	2013-06-18	Parks	
	54	8465507	2013-06-18	IDX Medical, Ltd.	
	55	8518017	2013-08-27	Michael Caluori	
	56	8560070	2013-10-29	Mecha-Medic Solution Sdn. Bhd.	
	57	8591464	2013-11-26	Kumar, Atul et al.	
	58	8617106	2013-12-31	Alcon Research, Ltd.	
	59	8636754	2014-01-28	Atricle, Inc.	
	60	8647294	2014-02-11	MEDRAD, Inc.	
	61	8652091	2014-02-18	Seto et al.	
	62	8690907	2014-04-08	Incora Therapeutics, Inc.	
	63	8715314	2014-05-06	Incora Therapeutics, Inc.	
	64	8721595	2014-05-13	Stiehl Technologies, L.C.	
	65	8770542	2014-07-08	Mt. Derm GmbH et al.	
	66	8814778	2014-08-26	AtriCure, Inc.	

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Examiner Signature		Date Considered	
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<small>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 t-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.</small>			
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	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 4 of 21		

U.S. PATENTS					
Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	67	8814821	2014-08-26	Steen et al.	
	68	8852218	2014-10-07	AtriCore, Inc.	
	69	8911487	2014-12-16	Bennett et al.	
	70	8932321	2015-01-03	Janardhan et al.	
	71	9017340	2015-04-28	AtriCore, Inc.	
	72	9073069	2015-07-07	Seto et al.	
	73	9095326	2015-08-04	Ritchie et al.	
	74	9119656	2015-09-01	Bose et al.	
	75	9186151	2015-11-17	Tompkins et al.	
	76	9220485	2015-12-29	Parks	
	77	9248228	2016-02-02	Peter L. Bono	
	78	9254144	2016-02-09	Covidien LP	
	79	9370611	2016-06-21	Med-Logics, Inc.	
	80	9402757	2016-08-02	Cydevices, LLC	
	81	9402985	2016-08-02	Michael Caluori	
	82	9492598	2016-11-15	Cardio Innovative Systems, Inc.	
	83	9510854	2016-12-06	Boston Scientific Scimed, Inc.	
	84	9526864	2016-12-27	Inceptus Medical, LLC	
	85	9526865	2016-12-27	Inceptus Medical, LLC	
	86	9545334	2017-01-17	Steen et al.	
	87	9549850	2017-01-24	Novartis AG	
	88	9554805	2017-01-31	Tompkins et al.	

EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
<small>*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.</small>			
<small>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 t-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.</small>			
<small>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.</small>			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
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	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	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**	101027004	CN	A	2007-08-29	Penumbra, Inc.		
	2**	1799128	EP	B1	2010-03-10	Penumbra, Inc.		
	3**	9421312	WO		1994-09-29	Life Support Products, Inc.		
	4**	2010089368	WO	A2	2010-08-12	Jap:Ventures Ltd.		
	5**	2013184595	WO	A1	2013-12-12	Penumbra, Inc.		
	6**	2014151209	WO	A1	2014-09-25	Virginia Commonwealth University		
	7**	2017147493	WO	A1	2017-08-31	Incept, LLC		
	8**	2018019829	WO	A1	2018-02-01	Neuravi Limited		
	9**	2019115809	WO	A1	2019-06-20	Perfuzo Limited		
	10	2020023541	WO	A1	2020-01-30	Penumbra, Inc.		

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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, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	IPR2021-01466, PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 30, 2021, 87 pages.	
	2	IPR2022-00608, PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 15, 2022, 92 pages.	
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	5	IPR2021-01466, DECLARATION OF IAN ROSS, MD IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 26, 2021, 35 pages.	
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Examiner Signature	/WADE MILES/	Date Considered	04/08/2022
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Field

PTO/SB/08a (01-10)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 21 of 21		

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.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None. 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. This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information that may be material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, Applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

COPIES OF REFERENCES

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2). Those documents which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in parent Application No. 16/899,514 filed June 11, 2020 and relied upon in this application for an earlier filing date under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), Applicant has not provided copies of these references.

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	/Paul T. Parker/	Date	2022-04-07
Name/Print	Paul T. Parker	Registration Number	38,264

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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707
25096 7590 05/05/2022 PERKINS COIE LLP - SEA General PATENT-SEA P.O. BOX 1247 SEATTLE, WA 98111-1247			EXAMINER MILES, JONATHAN WADE	
			ART UNIT 3771	PAPER NUMBER
			NOTIFICATION DATE 05/05/2022	DELIVERY MODE 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):

patentprocurement@perkinscoie.com

Corrected Notice of Allowability	Application No. 17/650,835	Applicant(s) Deville et al.	
	Examiner WADE MILES	Art Unit 3771	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 the IDS filed 4/7/22 and the Notice of Allowance mailed 4/19/22.
☐ 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 1-20 . 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 _____.
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/WADE MILES/ Primary Examiner, Art Unit 3771	
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	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 1 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	3955574	1976-05-11	Rubinstein	
	2	4164223	1979-08-14	Munib, Hamza I.	
	3	4315506	1982-02-16	Airco, Inc.	
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	5	4662871	1987-05-05	Stephen Rafelson	
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	8	4902276	1990-02-20	The Regents Of The University Of California	
	9	4911399	1990-03-27	Anglo-American, Inc.	
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	11	5318546	1994-06-07	Bierman, Steven F.	
	12	5496267	1996-03-05	Possis Medical, Inc.	
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	14	6027490	2000-02-22	Radord et al.	
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	16	6200276	2001-03-13	Biesel et al.	
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	18	6261283	2001-07-17	Aleon Universal Ltd.	
	19	6280429	2001-08-28	Lewis et al.	
	20	6423027	2002-07-23	Saphir Medical Products GmbH	
	21	6423028	2002-07-23	Saphir Medical	
	22	6471683	2002-10-29	Possis Medical, Inc.	

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U.S. PATENTS

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	25	6689109	2004-02-10	Lawrence A. Lynn	
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	43	7998168	2011-08-16	Kleimann Sr. Robert C	
	44	8206374	2012-06-26	Medtronic Vascular, Inc.	

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	55	8518017	2013-08-27	Michael Caluori	
	56	8560070	2013-10-29	Mecha-Medic Solution Sdn. Bhd.	
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	109	10166024	2019-01-01	Williamson, IV et al.	
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Field

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
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Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	21	20070239261	2007-10-11	Arani Bose et al.	
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Penumbra, Inc. v. RapidPulse, Inc.

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Examiner Initial*	Cite No	Publication Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	7**	2017147493	WO	A1	2017-08-31	Incept, LLC		
	8**	2018019829	WO	A1	2018-02-01	Neuravi Limited		
	9**	2019115809	WO	A1	2019-06-20	Perfuzo Limited		
	10	2020023541	WO	A1	2020-01-30	Penumbra, Inc.		

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	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
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NON-PATENT LITERATURE DOCUMENTS			
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, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	IPR2021-01466, PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 30, 2021, 87 pages.	
	2	IPR2022-00608, PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 15, 2022, 92 pages.	
	3	IPR2021-01466, DECLARATION OF BRIAN BROWN IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 26, 2021, 174 pages.	
	4	IPR2022-00608, DECLARATION OF BRIAN BROWN IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 2, 2022, 181 pages.	
	5	IPR2021-01466, DECLARATION OF IAN ROSS, MD IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 26, 2021, 35 pages.	
	6	IPR2022-00608, DECLARATION OF IAN ROSS, MD IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 2, 2022, 35 pages.	
	7	IPR2021-01466, DECISION Granting Institution of <i>Inter Partes Review</i> , entered March 14, 2022, 53 pages.	
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Examiner Signature	/WADE MILES/	Date Considered	04/08/2022
<small>*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.</small>			
<small>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 t-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.</small>			

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Field

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. 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	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 21 of 21		

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.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None. 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. This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information that may be material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, Applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

COPIES OF REFERENCES

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2). Those documents which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in parent Application No. 16/899,514 filed June 11, 2020 and relied upon in this application for an earlier filing date under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), Applicant has not provided copies of these references.

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	/Paul T. Parker/	Date	2022-04-07
Name/Print	Paul T. Parker	Registration Number	38,264

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.**

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/



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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707
25096 7590 05/03/2022 PERKINS COIE LLP - SEA General PATENT-SEA P.O. BOX 1247 SEATTLE, WA 98111-1247			EXAMINER MILES, JONATHAN WADE	
			ART UNIT 3771	PAPER NUMBER
			NOTIFICATION DATE 05/03/2022	DELIVERY MODE 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):

patentprocurement@perkinscoie.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Application No. : 17650835
Applicant : Deville
Filing Date : 02/11/2022
Date Mailed : 05/03/2022

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED.

See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
"Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450".*

/Naran Hem/
Publication Branch
Office of Data Management
(571) 272-4200

IDENTIFICATION OF DRAWING DEFICIENCIES

- ☐ There is a hole or the image thereof within the illustration. FIG(s)
- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- ☒ An ink stamp or the image thereof obscures part of the illustration. FIG(s) 51
- ☐ The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- ☐ Figure numbers are duplicated or missing. FIG(s)
- ☐ Drawing sheet or figure is missing. FIG(s)
- ☐ Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- ☒ The character of the lines, numbers, and letters is poor. FIG(s) 50, 51, 53
- ☒ The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s) 42-46
- ☐ The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- ☒ Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s) 54, 55
- ☐ The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- ☒ This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s) 15, 18, 57-68
- ☐ A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- ☐ This reissue application contains added and/or amended drawings that are not labeled as "New" or "Amended" or "Canceled" as required by 37 CFR 1.173(b)(3). FIG(s)
- ☐ This Design reissue application contains a drawing that is labeled as "Canceled" but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as "Canceled." See 37 CFR 1.173(b)(3). FIG(s)
- ☐ OTHER:
- ☐ COMMENTS:



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NOTICE OF ALLOWANCE AND FEE(S) DUE

25096 7590 04/19/2022
PERKINS COIE LLP - SEA General
PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247

EXAMINER

MILES, JONATHAN WADE

ART UNIT

PAPER NUMBER

3771

DATE MAILED: 04/19/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707

TITLE OF INVENTION: ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH ASPIRATION CATHETER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$600	\$0.00	\$0.00	\$600	07/19/2022

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. 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)

25096 7590 04/19/2022
PERKINS COIE LLP - SEA General
PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247

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.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707

TITLE OF INVENTION: ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH ASPIRATION CATHETER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$600	\$0.00	\$0.00	\$600	07/19/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
MILES, JONATHAN WADE	3771	606-127000

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. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07	7707
25096 7590 04/19/2022 PERKINS COIE LLP - SEA General PATENT-SEA P.O. BOX 1247 SEATTLE, WA 98111-1247			EXAMINER MILES, JONATHAN WADE	
			ART UNIT 3771	PAPER NUMBER
DATE MAILED: 04/19/2022				

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. 17/650,835	Applicant(s) Deville et al.	
	Examiner WADE MILES	Art Unit 3771	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 See Continuation Sheet.
☐ 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 1-20 . 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)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. <u>4/7/22</u> .	

/WADE MILES/ Primary Examiner, Art Unit 3771	
---	--

Continuation of 1. This communication is responsive to: the interview conducted 4/7/22, the preliminary amendment filed 4/7/22, and the terminal disclaimer filed 4/8/22

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.

Terminal Disclaimer

The terminal disclaimer filed on April 8, 2022, disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of **U.S. Patent No. 10722253** has been reviewed and is accepted. The terminal disclaimer has been recorded.

Information Disclosure Statement

Some of the information disclosure statement filed April 7, 2022, fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because the assignee is listed, not the named inventor. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

Allowable Subject Matter

Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art does not teach or suggest, in the context of the claim, a controller configured to open and close the vacuum valve and the vent valve in a predetermined cycle to change the level of vacuum applied to the catheter. Garrison (US 20160220741) discloses a similar device, but the controller disclosed in [0113] changed the cycle of opening and closing the valves based on feedback from sensors and is not a pre-determined pattern.

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 WADE MILES whose telephone number is (571) 270-7777 and whose fax number is (571) 270-8777. The examiner can normally be reached on Monday-Friday between the hours of 11:00 am and 7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, ***please contact the examiner’s supervisor, Kelly Bekker, at (571) 272-2739***. 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.

/WADE MILES/

Primary Examiner, Art Unit 3771

<i>Examiner-Initiated Interview Summary</i>	Application No. 17/650,835	Applicant(s) Deville et al.		
	Examiner WADE MILES	Art Unit 3771	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
WADE MILES	Primary Examiner	Telephonic
PAUL PARKER	Attorney of Record	

Date of Interview: 07 April 2022

Issues Discussed:

Proposed Amendment(s)

Applicant provisionally elected apparatus claim 1-10 via a phone conversation on April 6, 2022. Upon determination of the apparatus claims 1-10 to be allowable, applicant agreed to amend the non-elected method claims 11-20 to incorporate the allowable subject matter of claim 1.

Non-statutory Double Patenting

Applicant agreed to file a terminal disclaimer to U.S. Patent No. 10,722,253.

/WADE MILES/ Primary Examiner, Art Unit 3771	
<p>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</p> <p>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</p>	

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.

<i>Search Notes</i> 	Application/Control No. 17/650,835	Applicant(s)/Patent Under Reexamination Deville et al.
	Examiner WADE MILES	Art Unit 3771

CPC - Searched*		
Symbol	Date	Examiner
A61B 17 / 22, 3207	04/06/2022	jwm
A61B 2017 / 00022, 22079, 22082, 005	04/06/2022	jwm
A61M 1 / 0037, 0066, 0068, 0072, 0074, 0076, 0003, 0005, 0007, 0023, 0031, 0033, 0075	04/06/2022	jwm
A61F 2 / 013, 011	04/06/2022	jwm

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

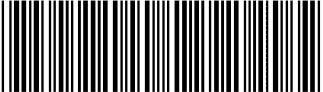
Search Notes		
Search Notes	Date	Examiner
consulted searches in parent applications	04/06/2022	jwm
CPC and inventor searches	04/06/2022	jwm
IDS considered	04/07/2022	jwm

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	see attached search history	04/12/2022	jwm

/WADE MILES/ Primary Examiner, Art Unit 3771	
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<i>Search Notes</i> 	Application/Control No. 17/650,835	Applicant(s)/Patent Under Reexamination Deville et al.
	Examiner WADE MILES	Art Unit 3771

/WADE MILES/ Primary Examiner, Art Unit 3771	
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Issue Classification 	Application/Control No. 17/650,835	Applicant(s)/Patent Under Reexamination Deville et al.
	Examiner WADE MILES	Art Unit 3771

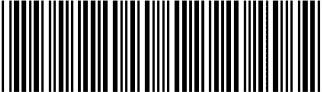
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A61M	/	25	/	0075	I	2013-01-01
A61F	/	2	/	013	I	2013-01-01
A61B	/	2217	/	007	A	2013-01-01
A61B	/	2017	/	00022	A	2013-01-01
A61B	/	2017	/	22082	A	2013-01-01
A61B	/	2017	/	22079	A	2013-01-01
A61F	/	2	/	011	A	2020-05-01

CPC Combination Sets					
Symbol				Type	Set
	/		/		

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/WADE MILES/	12 April 2022	O.G. Print Claim(s)	O.G. Print Figure
Primary Examiner, Art Unit 3771	(Date)	1	47, 48

U.S. Patent and Trademark Office

Part of Paper No.: 20220412

Issue Classification 	Application/Control No. 17/650,835	Applicant(s)/Patent Under Reexamination Deville et al.
	Examiner WADE MILES	Art Unit 3771

INTERNATIONAL CLASSIFICATION			
CLAIMED			
A61B17/22	/	17	/ 22
A61M25/00	/	25	/ 00
A61B17/00	/	17	/ 00
NON-CLAIMED			
	/		/

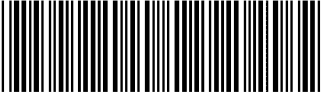
US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/WADE MILES/ Primary Examiner, Art Unit 3771	12 April 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	47, 48

U.S. Patent and Trademark Office

Part of Paper No.: 20220412

Issue Classification 	Application/Control No. 17/650,835	Applicant(s)/Patent Under Reexamination Deville et al.
	Examiner WADE MILES	Art Unit 3771

☒ 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

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/WADE MILES/ Primary Examiner, Art Unit 3771 (Primary Examiner) _____ (Date) 12 April 2022		O.G. Print Claim(s) 1	O.G. Print Figure 47, 48

Bibliographic Data

Application No: 17/650,835

Foreign Priority claimed: ☐ Yes ☒ No

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

Verified and Acknowledged:

Examiner's Signature

Initials

Title:

ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR
THROMBUS REMOVAL WITH ASPIRATION CATHETER

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
02/11/2022	606	3771	145404-8001.US07
RULE			

APPLICANTS

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INVENTORS

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Thomas O. Bales JR., Miami, FL, UNITED STATES

Carlos Rivera, Cooper City, FL, UNITED STATES

CONTINUING DATA

This application is a CON of 16899514 06/11/2020

16899514 is a CON of 16681564 11/12/2019 PAT 10722253

16899514 is a CON of PCT/US2019/042546 07/19/2019

16681564 is a CON of 16516232 07/18/2019 PAT 10531883

16516232 has PRO of 62750011 10/24/2018

16516232 has PRO of 62701086 07/20/2018

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

02/16/2022

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UNITED STATES

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Doc description: Information Disclosure Statement (IDS) Field

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 1 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	3955574	1976-05-11	Rubinstein	
	2	4164223	1979-08-14	Munib, Hamza I.	
	3	4315506	1982-02-16	Airco, Inc.	
	4	4458877	1984-07-10	The Kendall Company	
	5	4662871	1987-05-05	Stephen Rafelson	
	6	4696669	1987-09-29	Menhusen, Monty J.	
	7	4767403	1988-08-30	The BOC Group, Inc.	
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	9	4911399	1990-03-27	Anglo-American, Inc.	
	10	5254085	1993-10-19	Xomed-Treace Inc.	
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	12	5496267	1996-03-05	Possis Medical, Inc.	
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	14	6027490	2000-02-22	Radord et al.	
	15	6199792	2001-02-27	CardioThoracic System	
	16	6200276	2001-03-13	Biesel et al.	
	17	6226843	2001-05-08	Design Standards Corporation	
	18	6261283	2001-07-17	Alcon Universal Ltd.	
	19	6280429	2001-08-28	Lewis et al.	
	20	6423027	2002-07-23	Saphir Medical Products GmbH	
	21	6423028	2002-07-23	Saphir Medical	
	22	6471683	2002-10-29	Possis Medical, Inc.	

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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<small>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 t-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.</small>			
<small>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.</small>			

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Field

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Sheet 2 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	23	6500792	2003-03-18	Ferton Holding, S.A.	
	24	6605074	2003-08-12	Medtronic AVE, Inc.	
	25	6689109	2004-02-10	Lawrence A. Lynn	
	26	6887220	2005-05-03	Gore Enterprise Holdings, Inc.	
	27	6960189	2005-11-01	Gore Enterprise Holdings	
	28	7004931	2006-02-28	Gore Enterprise Holdings, Inc.	
	29	7033336	2006-04-25	Hogendijk	
	30	7178699	2007-02-20	Anheuser-Busch, Inc.	
	31	7472882	2009-01-06	Spray et al.	
	32	7530976	2009-05-12	Fox Hollow Technologies, Inc.	
	33	7641170	2010-01-05	Spray et al.	
	34	7713278	2010-05-11	Microline Surgical, Inc.	
	35	7717853	2010-05-18	Nita, Henry	
	36	7842010	2010-11-30	MEDRAD, Inc.	
	37	7840128	2010-12-07	Abbott Medical Optics, Inc.	
	38	7901374	2011-03-08	Seiko Epson Corporation	
	39	7918822	2011-04-05	Alka Kumar et al.	
	40	7991659	2011-04-26	Penumbra, Inc.	
	41	7955318	2011-06-07	Schultz et al.	
	42	7976515	2011-07-12	Todd Murphy et al.	
	43	7998168	2011-08-16	Kleimann Sr. Robert C	
	44	8206374	2012-06-26	Medtronic Vascular, Inc.	

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Examiner Signature		Date Considered	
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<small>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 t-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.</small>			
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Sheet 3 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	46	8333796	2012-12-18	Penumbra, Inc.	
	47	8337452	2012-12-25	Seto et al.	
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	50	8388570	2013-03-05	Kumar, Atul et al.	
	51	8435225	2013-05-07	Fox Hollow Technologies, Inc.	
	52	8460312	2013-06-11	Bose et al.	
	53	8465439	2013-06-18	Parks	
	54	8465507	2013-06-18	IDX Medical, Ltd.	
	55	8518017	2013-08-27	Michael Caluori	
	56	8568970	2013-10-29	Mecha-Medic Solution Sdn. Bhd.	
	57	8591464	2013-11-26	Kumar, Atul et al.	
	58	8617106	2013-12-31	Alcon Research, Ltd.	
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	61	8652091	2014-02-18	Seto et al.	
	62	8690907	2014-04-08	Incora Therapeutics, Inc.	
	63	8715314	2014-05-06	Incora Therapeutics, Inc.	
	64	8721595	2014-05-13	Stiehl Technologies, L.C.	
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	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 4 of 21		

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	67	8814821	2014-08-26	Steen et al.	
	68	8852218	2014-10-07	AtriCore, Inc.	
	69	8911487	2014-12-16	Bennett et al.	
	70	8932321	2015-01-03	Janardhan et al.	
	71	9017340	2015-04-28	AtriCore, Inc.	
	72	9073069	2015-07-07	Seto et al.	
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	74	9119656	2015-09-01	Bose et al.	
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	76	9220485	2015-12-29	Parks	
	77	9248228	2016-02-02	Peter L. Bono	
	78	9254144	2016-02-09	Covidien LP	
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	83	9510854	2016-12-06	Boston Scientific Scimed, Inc.	
	84	9526864	2016-12-27	Inceptus Medical, LLC	
	85	9526865	2016-12-27	Inceptus Medical, LLC	
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	87	9549850	2017-01-24	Novartis AG	
	88	9554805	2017-01-31	Tompkins et al.	

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Examiner Signature		Date Considered	
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	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 5 of 21		

U.S. PATENTS					
Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	94	9623230	2017-04-18	Dong Kwan Kim et al.	
	95	9655633	2017-05-23	Penumbra, Inc.	
	96	9681882	2017-06-20	Garrison et al.	
	97	9737309	2017-08-22	Niv Ad	
	98	9775621	2017-10-03	Tompkins et al.	
	99	9820761	2017-11-21	Garrison et al.	
	100	9883863	2018-02-06	Hughett, James David Sr. et al.	
	101	9883885	2018-02-06	Hendrick et al.	
	102	9889289	2018-02-23	Howlett et al.	
	103	9901351	2018-02-27	Atricare, Inc.	
	104	9901352	2018-02-27	Atricare, Inc.	
	105	9937287	2018-04-10	Sayed Nour	
	106	9943321	2018-04-17	Nita	
	107	9980841	2018-05-29	GVDDevices, LLC	
	108	9999710	2018-06-19	Med-Logics, Inc.	
	109	10166024	2019-01-01	Williamson, IV et al.	
	110	10188409	2019-01-29	Ronnie G. Smalling	

EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
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Examiner Initial*	Cite No	Patent Number	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	112	10251739	2019-04-09	Janardhan et al.	
	113	10258354	2019-04-16	Cognition Medical Corp	
	114	10299947	2019-05-28	Bennett et al.	
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	12	20050273122	2005-12-08	MICROLINE, Inc.	
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	18	20070100276	2007-05-03	Fanton et al.	
	19	20070129652	2007-06-07	Henry Nita	
	20	20070161963	2007-07-12	Smalling Medical Ventures, LLC	
	21	20070239261	2007-10-11	Arani Bose et al.	
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	23	20080125695	2008-05-29	Hopkins, Mark A. et al.	
	24	20080154184	2008-06-26	Blight, David D. et al.	
	25	20080163731	2008-07-10	Lewis, Howell G.	
	26	20080208324	2008-08-28	Glithero, Jason I. et al.	
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	30	20090120957	2009-05-14	Michael Phillips	

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	32	20090187198	2009-07-23	Barry Weitzner	
	33	20100076370	2010-03-25	Infusion Advancements, LLC	
	34	20100204672	2010-08-12	Penumbra, Inc.	
	35	20100217276	2010-08-26	Garrison, Michi E. et al.	
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	37	20110160683	2011-06-30	Marcos Pinotti Barbosa et al.	
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	46	20120138833	2012-06-07	Matteo	
	47	20120150147	2012-06-14	Penumbra, Inc.	
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	49	20120289892	2012-11-15	Motus GI Medical Technologies Ltd	
	50	20120330196	2012-12-27	Penumbra, Inc.	
	51	20130110087	2013-05-02	Jeffrey F. Kane	
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	54	20140128907	2014-05-08	Penumbra, Inc.	
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	73	20160166265	2016-06-16	Penumbra Inc.	
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	76	20160220807	2016-08-04	Bono et al.	
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	123	20180271686	2018-09-27	Kassab et al.	
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	2**	1799128	EP	B1	2010-03-10	Penumbra, Inc.		
	3**	9421312	WO		1994-09-29	Life Support Products, Inc.		
	4**	2010089368	WO	A2	2010-08-12	Jap:Ventures Ltd.		
	5**	2013184595	WO	A1	2013-12-12	Penumbra, Inc.		
	6**	2014151209	WO	A1	2014-09-25	Virginia Commonwealth University		
	7**	2017147493	WO	A1	2017-08-31	Incept, LLC		
	8**	2018019829	WO	A1	2018-02-01	Neuravi Limited		
	9**	2019115809	WO	A1	2019-06-20	Perfuzo Limited		
	10	2020023541	WO	A1	2020-01-30	Penumbra, Inc.		

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	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
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NON-PATENT LITERATURE DOCUMENTS			
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, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	IPR2021-01466, PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 30, 2021, 87 pages.	
	2	IPR2022-00608, PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 15, 2022, 92 pages.	
	3	IPR2021-01466, DECLARATION OF BRIAN BROWN IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 26, 2021, 174 pages.	
	4	IPR2022-00608, DECLARATION OF BRIAN BROWN IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 2, 2022, 181 pages.	
	5	IPR2021-01466, DECLARATION OF IAN ROSS, MD IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,531,883, August 26, 2021, 35 pages.	
	6	IPR2022-00608, DECLARATION OF IAN ROSS, MD IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 10,722,253, February 2, 2022, 35 pages.	
	7	IPR2021-01466, DECISION Granting Institution of <i>Inter Partes Review</i> , entered March 14, 2022, 53 pages.	
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Examiner Signature	/WADE MILES/	Date Considered	04/08/2022
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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 t-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.			

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/

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

PTO/SB/08a (01-10)
 Approved for use through 07/31/2012. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17/650,835 - Conf. #7707
	Filing Date	February 11, 2022
	First Named Inventor	Derek Dee Deville
	Art Unit	3771
	Examiner Name	Jonathan Wade Miles
	Attorney Docket Number	145404-8001.US07
Sheet 21 of 21		

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.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None. 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. This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information that may be material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, Applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

COPIES OF REFERENCES

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2). Those documents which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in parent Application No. 16/899,514 filed June 11, 2020 and relied upon in this application for an earlier filing date under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), Applicant has not provided copies of these references.

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	/Paul T. Parker/	Date	2022-04-07
Name/Print	Paul T. Parker	Registration Number	38,264

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.**

156452151.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.W.M/

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
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L4	10932	A61B17/22,3207.cpc. or A61B2017/00022,22079,22082.CPC. or A61F2/013.CPC. or A61F2002/011.CPC. or A61M25/0075.CPC.	(US-PGPUB; USPAT)	OR	ON	ON	2020/02/26 12:32 PM
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L7	8527	(A61B2217/005 A61M1/0066 A61M1/0068 A61M1/0072 A61M1/0074 A61M1/0076 A61M1/0003 A61M1/0005 A61M1/0007 A61M1/0023 A61M1/0031 A61M1/0033).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2020/02/26 03:22 PM
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L13	46	L9 and (controller same (pre?determin\$2 predetermin\$2 program\$5)) and (vent\$4 same valve)	(US-PGPUB; USPAT)	OR	ON	ON	2020/02/26 03:29 PM
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L23	10932	same (pre?determin\$2 predetermin\$2 program\$5)) and (vent\$4 same valve) A61B17/22,3207.cpc. or A61B2017/00022,2207 9,22082.CPC. or A61F2/013.CPC. or A61F2002/011.CPC. or A61M25/0075.CPC.	(US-PGPUB; USPAT)	OR	ON	ON	05:13 PM 2020/02/26 06:27 PM
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PE2E SEARCH - Search History (Interference)

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N31	0	(aspiration catheter lumen vacuum source valve vant controller predetermined cycle).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2022/04/12 01:46 PM
N32	3	(aspiration catheter lumen vacuum source valve vent controller predetermined cycle).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2022/04/12 01:46 PM



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/650,835	02/11/2022	Derek Dee Deville	145404-8001.US07

CONFIRMATION NO. 7707

POA ACCEPTANCE LETTER

25096
PERKINS COIE LLP - SEA General
PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247



Date Mailed: 04/12/2022

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/08/2022.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/tulu/

Application Number * 17/650,835 *	Application/Control No. 17/650,835	Applicant(s)/Patent under Reexamination Deville et al.	
	Examiner MILES, JONATHAN WADE	Art Unit 3771	
Document Code - DISQ		Internal Document - DO NOT MAIL	

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed: <u>08 April 2022</u>	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
/JEAN PROCTOR/ Technology Center: <u>OPLC</u> Telephone: <u>(571)272-1040</u> _____

TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) 145404-8001.US07
<p>In re Application of: Derek Dee Deville</p> <p>Application No.: 17/650,835</p> <p>Filed: February 11, 2022</p> <p>For: ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH ASPIRATION CATHETER</p> <p>The applicant, <u>RapidPulse, Inc.</u>, owner of <u>100</u> percent interest 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 No. <u>10722253</u> as the term of said prior patent is presently shortened by any terminal disclaimer. The applicant 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.</p> <p>In making the above disclaimer, the applicant 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:</p> <ul style="list-style-type: none">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; oris in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. <p>Check either box 1 or 2 below, if appropriate.</p> <p>1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.</p> <p>I hereby acknowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p>2. ☒ The undersigned is an attorney or agent of record. Reg. No. <u>38264</u></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"><div style="width: 60%; text-align: center;"><u>/Paul T. Parker/</u> Signature</div><div style="width: 35%; text-align: center;"><u>2022-04-08</u> Date</div></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div style="width: 60%; text-align: center;"><u>Paul T. Parker</u> Typed or printed name</div><div style="width: 35%;"></div></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div style="width: 60%; text-align: center;"><u>Attorney for Applicant</u> Title</div><div style="width: 35%; text-align: center;"><u>(206) 359-8000</u> Telephone Number</div></div> <p>☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.</p> <p style="text-align: center;">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.</p>	

This collection of information is required by 37 CFR 1.321. 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 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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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.
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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.

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/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	17/650,835
Filing Date	February 11, 2022
First Named Inventor	Derek Dee Deville
Title	ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH ASPIRATION CATHETER
Art Unit	7707
Examiner Name	Jonathan Wade Miles
Attorney Docket Number	145404-8001.US07

SIGNATURE of Applicant or Patent Practitioner

Signature	/Paul T. Parker/	Date (Optional)	2022-04-08
Name	Paul T. Parker	Registration Number	38264
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 <u>1</u> 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.**

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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.)



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:

25096

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:



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):

RapidPulse, Inc.



Inventor or Joint Inventor (title not required below)



Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)



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)

Name

Sean McBrayer

Title

CEO for RapidPulse, Inc.

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.

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.

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/650,835

RECEIPT DATE / TIME
04/08/2022 11:26:47 AM ET

ATTORNEY DOCKET #
145404-8001.US07

Title of Invention

ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH
ASPIRATION CATHETER

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7707

FILED BY Jessica Raucci

PATENT CENTER # 60611542

FILING DATE 02/11/2022

CUSTOMER # 25096

FIRST NAMED INVENTOR
Derek Dee Deville

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Paul Parker

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2022-04-08_POA_1454048001US07.PDF	2	Power of Attorney	516 KB
2022-04-08_TD_1454048001US07.PDF	2	Terminal Disclaimer Filed	152 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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2022-04-08_POA_1454048001US07.PDF	1EE242A20CE9845135766DD12250C71D15A03F85A88088F49A0F6C61296194ACCAD20723E4A0011EEFC43C03915000C2EA551B16238D559E690C4DE4EF63EC8C
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2022-04-08_TD_1454048001US07.PDF	59413CF3FBDC1552331ECBDA8DC23C9CF91385F81BAFCB3B6F44A20823ADB130417CF41C86C11F07B4AFD8AB3BB9543DA2A30AEC453CF1C2F5520FBE2CF4B12
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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.



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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/650,835

RECEIPT DATE / TIME
04/08/2022 11:26:47 AM ET

ATTORNEY DOCKET #
145404-8001.US07

Title of Invention

ASPIRATION THROMBECTOMY SYSTEM AND METHODS FOR THROMBUS REMOVAL WITH
ASPIRATION CATHETER

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APPLICATION TYPE Utility - Nonprovisional Application
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PATENT # -

CONFIRMATION # 7707

FILED BY Jessica Raucci

PATENT CENTER # 60611542

AUTHORIZED BY Paul Parker

CUSTOMER # 25096

FILING DATE 02/11/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Derek Dee Deville

Payment Information

PAYMENT METHOD
CARD / 8743

PAYMENT TRANSACTION ID
E202248B27552484

PAYMENT AUTHORIZED BY
Jessica Raucci

PRE-AUTHORIZED ACCOUNT
500665

PRE-AUTHORIZED CATEGORY

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)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
TOTAL AMOUNT:				\$170.00

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