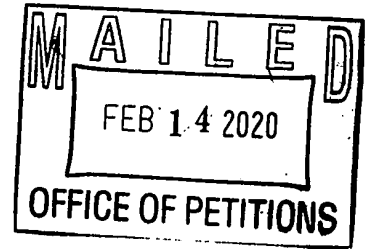




SEED INTELLECTUAL PROPERTY LAW GROUP LLP  
701 FIFTH AVE.  
SUITE 5400  
SEATTLE, WA 98104



In re Application of:	:	DECISION
Mark Kokoris et al.	:	
Application No.: 15/585,029	:	ON
Filing Date: May 2, 2017	:	
For: CONCENTRATING A TARGET	:	PETITION
MOLECULE FOR SENSING BY A	:	
NANOPORE	:	

This is a decision on the petition filed December 11, 2019, requesting that the above-identified application be treated as having issued on September 10, 2019 as U.S. Patent No. 10,407,714 and that all entries in the image file wrapper of the above-identified application after September 11, 2019 be expunged.

The petition to treat the above-identified application as having issued on September 10, 2019 as U.S. Patent No. 10,407,714 and expunge all entries in the image file wrapper of the above-identified application after September 11, 2019 is **DENIED**.

**RELEVANT BACKGROUND**

The above-identified application was filed on May 2, 2017. Prosecution in the above-identified application resulted in a notice of allowance being issued on May 1, 2019. The notice of allowance noted that the application was subject to withdrawal from issue at the initiative of the office, citing 37 CFR 1.313 and MPEP 1308. The issue fee was paid on July 31, 2019. An Issue Notification was issued on August 21, 2019, indicating that the above-identified application was scheduled to issue on September 10, 2019 as U.S. Patent No. 10,407,714.

The Director of Technology Center 1600 (Technology Center Director) issued a memorandum to the Director of the Office of Publication and Dissemination (Patent Publication Branch) on September 5, 2019 directing that above-identified application be withdrawn from issue and that an erratum be published in the Official Gazette indicating that all reference to U.S. Patent No. 10,407,714 should be deleted as no patent was granted. The Patent Publication Branch posted a

notice in the image file wrapper of the above-identified application indicating that the above-identified application had been withdrawn from issue on September 9, 2019.

A Notice of Withdrawal from Issue under 37 CFR 1.313(b) was issued on September 11, 2019, indicating that the above-identified application is withdrawn from issue to permit reopening of prosecution.

An erratum was published in the Official Gazette of October 1, 2019, indicating that all reference to U.S. Patent No. 10,407,714 should be deleted as no patent was granted.

A non-final Office action was issued on November 5, 2019. The non-final Office action of November 5, 2019 included a rejection of claims 1 through 12 under pre-AIA<sup>1</sup> 35 U.S.C. § 102(e) as being anticipated by Brown (U.S. Patent Application Publication No. 2018/0291441) (Brown), a reference not previously of record, and a rejection of claim 13 under 35 U.S.C. § 103 as being unpatentable over Brown.

A petition under 37 CFR 1.181 was filed on December 11, 2019, requesting that the above-identified application be treated as having issued on September 10, 2019 as U.S. Patent No. 10,407,714 and that all entries in the image file wrapper of the above-identified application after September 11, 2019 be expunged.

### **STATUTE AND REGULATION**

35 U.S.C. § 151 provides that:

(a) In General.—If it appears that an applicant is entitled to a patent under the law, a written notice of allowance of the application shall be given or mailed to the applicant. The notice shall specify a sum, constituting the issue fee and any required publication fee, which shall be paid within 3 months thereafter.

(b) Effect of Payment.—Upon payment of this sum the patent may issue, but if payment is not timely made, the application shall be regarded as abandoned.

35 U.S.C. § 153 provides that:

Patents shall be issued in the name of the United States of America, under the seal of the Patent and Trademark Office, and shall be signed by the Director or

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<sup>1</sup> Section 3 of the AIA revised 35 U.S.C. §§ 102 and 103, effective as to applications ever having a claim with an effective filing date on or after March 16, 2013, or ever having a reference under 35 U.S.C. §§ 120, 121, or 365(c) to any patent or application that ever contained such a claim with an effective filing date on or after March 16, 2013. See Pub. L. No. 112-29, § 3, 125 Stat. at 285-293. The above-identified application claims the benefit of a provisional application filed on November 9, 2012, (prior to March 16, 2013), and there is no statement that the above-identified application contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. Therefore, this decision refers to the pre-AIA version of 35 U.S.C. §§ 102 and 103.

have his signature placed thereon and shall be recorded in the Patent and Trademark Office.

37 CFR 1.313 provides that:

(a) Applications may be withdrawn from issue for further action at the initiative of the Office or upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary. A petition under this section is not required if a request for continued examination under § 1.114 is filed prior to payment of the issue fee. If the Office withdraws the application from issue, the Office will issue a new notice of allowance if the Office again allows the application.

(b) Once the issue fee has been paid, the Office will not withdraw the application from issue at its own initiative for any reason except:

- (1) A mistake on the part of the Office;
- (2) A violation of § 1.56 or illegality in the application;
- (3) Unpatentability of one or more claims; or
- (4) For an interference or derivation proceeding.

(c) Once the issue fee has been paid, the application will not be withdrawn from issue upon petition by the applicant for any reason except:

(1) Unpatentability of one of more claims, which petition must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable;

(2) Consideration of a request for continued examination in compliance with § 1.114; or

(3) Express abandonment of the application. Such express abandonment may be in favor of a continuing application.

(d) A petition under this section will not be effective to withdraw the application from issue unless it is actually received and granted by the appropriate officials before the date of issue. Withdrawal of an application from issue after payment of the issue fee may not be effective to avoid publication of application information.

### OPINION

Petitioners contend that the withdrawal of the above-identified application from issue was improper. Petitioners specifically contend that the above-identified application issued as U.S. Patent No. 10,407,714 on September 10, 2019, but that the Notice of Withdrawal From Issue Under 37 CFR 1.313(b) is dated September 11, 2019, and the electronic mail notification of the Notice of Withdrawal From Issue Under 37 CFR 1.313(b) is date/time stamped September 11, 2019, 03:29:46 AM. Petitioners argue that under MPEP 1308, a Notice of Withdrawal From Issue Under 37 CFR 1.313(b) for the above-identified application must have been signed, date stamped and mailed to petitioners no later than Monday, September 9, 2019, and that the above-

identified application issued on September 10, 2019 as U.S. Patent No. 10,407,714 as the Notice of Withdrawal From Issue Under 37 CFR 1.313(b) for the above-identified application was not signed, date stamped and mailed to petitioners until Wednesday, September 11, 2019. Petitioners request that the above-identified application be treated as having issued on September 10, 2019 as U.S. Patent No. 10,407,714 and that all entries in the image file wrapper of the above-identified application after September 11, 2019 be expunged.

A review of United States Patent and Trademark Office (USPTO) records reveals that the above-identified application was withdrawn from issue prior to September 10, 2019. Specifically, the authority to withdraw an application from issue after payment of the issue fee under 37 CFR 1.313(b) has been delegated to the Technology Center Directors. *See* MPEP 1002.02(c) (item 17). The Technology Center Director issued a memorandum to the Patent Publication Branch on September 5, 2019 directing that the above-identified application be withdrawn from issue (and that an erratum be published in the Official Gazette indicating that all reference to U.S. Patent No. 10,407,714 should be deleted as no patent was granted). In addition, the Patent Publication Branch posted a notice in the image file wrapper of the above-identified application indicating that the above-identified application had been withdrawn from issue on September 9, 2019.<sup>2</sup> Thus, the USPTO's records reflect that the above-identified application had been withdrawn from issue prior to September 10, 2019. Therefore, the above-identified application was not "recorded in the Patent and Trademark Office" on September 10, 2019 as having been issued as U.S. Patent No. 10,407,714. *See* 35 U.S.C. § 153.

37 CFR 1.313(b) permits the withdrawal of an application from issue after payment of the issue fee due to, *inter alia*, unpatentability of one or more claims. *See* 37 CFR 1.313(b)(3). The record of the above-identified application indicates that the claims of the above-identified application are considered unpatentable: *i.e.*, claims 1 through 13 are considered unpatentable over Brown<sup>3</sup> (non-final Office action of November 5, 2019). Therefore, the Technology Center Director's reason for withdrawing the above-identified application from issue (unpatentability of one or more claims) is a reason for which a Technology Center Director is permitted to withdraw an application from issue after payment of the issue fee under 37 CFR 1.313(b). *See BlackLight*

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<sup>2</sup> A copy of the memorandum of September 5, 2019 from the Technology Center Director to the Patent Publication Branch, Patent Publication Branch notice indicating that the above-identified application had been withdrawn from issue, and printouts of the content entries for the above-identified application from the USPTO's Patent Application Locating and Monitoring (PALM) system (the content entries as viewable internally as well as the content entries as viewable by the public via the Patent Application Information and Revival (PAIR) system) are enclosed with this decision.

<sup>3</sup> Petitioners mention inappropriate communications with a third party attorney seeking the withdrawal of the above-identified application from issue. Nevertheless, the U.S. Patent Application Publication to Brown is not disqualified as prior art even if came to the attention of the examiner and Technology Center Director via the action of a third party. *See Changes to Implement Eighteen-Month Publication of Patent Applications*, 65 Fed. Reg. 57032, 57043 (Sept. 20, 2000) ("Title 35, U.S.C., provides that the Office may issue a patent only if it appears that the applicant is entitled to a patent in view of the prior art (35 U.S.C. 102 and 103). 35 U.S.C. 122(c) does not disqualify prior art simply because that prior art came to the attention of the Office through a third party."). As appreciated by petitioners, the appropriate forum for consideration of an allegation of attorney misconduct is the Office of Enrollment and Discipline.

*Power, Inc. v. Rogan*, 295 F.3d 1269, 1273 (Fed. Cir. 2002) (permitting the USPTO to withdraw an application from issue after payment of the issue fee due to unpatentability of the claims).

With respect to petitioners' argument concerning MPEP 1308, the discussion relied upon by petitioners pertains to the procedures to be followed when a Technology Center Director is withdrawing an application from issue. MPEP 1308 does **not** state that a withdrawal from issue is ineffective if any part of the procedure specified in that section for withdrawing an application from issue is not followed. The MPEP is a guide to patent attorneys and patent examiners on procedural matters, but the MPEP does not have the force and effect of the patent laws or regulations. *Molins PLC v. Textron, Inc.*, 48 F.3d 1172, 1180 n.10 (Fed. Cir. 1995) (citing *Litton Sys., Inc. v. Whirlpool Corp.*, 728 F.2d 1423, 1439 (Fed. Cir. 1984)). The patent laws and regulations do not make the question of whether a patent has issued, or whether an application has been withdrawn from issue, dependent upon on a notice being provided to an applicant. Rather, the question of whether a patent has issued is dependent upon the patent being in the name of the United States of America, under the seal of the USPTO, signed by the Director (or have his or her signature placed thereon), and recorded in the USPTO. *See* 35 U.S.C. § 153. As discussed previously, the above-identified application was not "recorded in the Patent and Trademark Office" as having been issued as U.S. Patent No. 10,407,714 on September 10, 2019.

The USPTO has an obligation to refrain from knowingly issuing an invalid patent. *See, e.g., BlackLight Power*, 295 F.3d at 1273-74 (permitting extraordinary action in withdrawing an application from issue to avoid knowingly issuing an invalid patent). Stated simply, if there is any substantial, reasonable ground within the knowledge or cognizance of the Director of the USPTO as to why the application should not issue, the Director has the authority and the duty to refuse to issue the application. *See In re Drawbaugh*, 9 App. D.C. 219, 240 (D.C. Cir. 1896); *see also In re Alappat*, 33 F.3d 1526, 1535 (Fed. Cir. 1994) (the Director "has an obligation to refuse to grant a patent if he [or she] believes that doing so would be contrary to law"). The threshold criteria of 35 U.S.C. § 151 –[i]f it appears that an applicant is entitled to a patent under the law— places a condition on both the issuance of a notice of allowance and the issuance of a patent. *See BlackLight Power*, 295 F.3d at 1273; *see also Harley v. Lehman*, 981 F. Supp. 9, 12 (D.D.C. 1997) (the language of 35 U.S.C. § 151 establishes the USPTO's duty to ensure that the patents it issues are valid). The above-identified application did not meet this threshold criteria of 35 U.S.C. § 151 (it appearing that applicant is entitled to a patent under the law) for the reasons indicated in the non-final Office action of November 5, 2019.

As discussed previously, the above-identified application was not "recorded in the Patent and Trademark Office" as having been issued as U.S. Patent No. 10,407,714 on September 10, 2019. Petitioners, however, were properly notified both that the above-identified application had been withdrawn from issue (in the Notice of Withdrawal from Issue under 37 CFR 1.313(b) of September 11, 2019) and of the basis for the decision to withdraw the above-identified application from issue (in the non-final Office action of November 5, 2019). Thus, while the failure to comply in full with the procedures set out in MPEP 1308 is not taken lightly, any failure to notify petitioners of the withdrawal of the above-identified application from issue prior to September 10, 2019 is not sufficient to treat the Technology Center Director's direction to the Patent Publication Branch on September 5, 2019 to withdraw the above-identified application from issue as ineffective.

**DECISION**

For the reasons stated previously, the petition to treat the above-identified application as having issued on September 10, 2019 as U.S. Patent No. 10,407,714 is **DENIED**. As the above-identified application was not issued on September 10, 2019 as U.S. Patent No. 10,407,714, but remains a pending application, the petition to expunge all entries in the image file wrapper of the above-identified application after September 11, 2019 is likewise **DENIED**.

This constitutes a final decision on this petition. No further requests for reconsideration will be entertained. Judicial review of this petition decision may be available upon entry of a final agency action in the instant application (*e.g.*, a final decision by the Patent Trial and Appeal Board). *See* MPEP § 1002.02.



Robert W. Bahr  
Deputy Commissioner  
for Patent Examination Policy



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

Date : **September 5, 2019**  
To : Director, Office of Publication and Dissemination  
From : Director, Technology Center 1600  
Subject : Withdrawal from Issue of

Applicant : **Mark Stamatios KOKORIS, et al.**  
Application Number : **15/585,029**  
Filed : **05/02/2017**


The above-identified application has been assigned Patent No. **10407714** and an issue date of **09/10/2019**.

It is hereby directed that this application be withdrawn from issue at the request of the Director, Technology Center 1600.

The following erratum should be published in the Official Gazette if the above-identified application is published in the OG of **09/10/2019**:

“All reference to Patent No. **10407714**, **Mark Stamatios KOKORIS, et al.**, of **Bothell, Washington** for **CONCENTRATING A TARGET MOLECULE FOR SENSING BY A NANOPORE** appearing in the Official Gazette of **09/10/2019**, should be deleted since no patent was granted.”

This application will be forwarded to Technology Center 1600.

  
\_\_\_\_\_  
Gary Jones, Director  
Technology Center 1600

slw



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

Seed Intellectual Property Law Group LLP : NOTICE OF WITHDRAWAL  
701 Fifth Ave : FROM ISSUE  
Suite 5400 : UNDER 37 CFR 1.313(b)  
Seattle, WA 98104

In re Application of  
**Mark Stamatios KOKORIS, et al.**  
Serial No. 15/585,029  
Filed: 05/02/2017  
For: **CONCENTRATING A TARGET MOLECULE FOR SENSING BY A NANOPORE**

This application is being withdrawn to permit reopening of prosecution. See 37 CFR 1.313(b).

The above-identified application is hereby withdrawn from issue.

The issue fee is refundable upon written request. If, however, the application is again found allowable, the issue fee can be applied toward payment of the issue fee in the amount identified on the new Notice of Allowance and Issue Fee Due upon written request. This request and any balance due must be received on or before the due date noted in the new Notice of Allowance in order to prevent abandonment of the application.

Telephone inquiries should be directed to the **SPE Dave Nguyen at (571) 272-0731.**

The above-identified application is being forwarded to the examiner for prompt appropriate action, including notifying applicant of the new status of this application.

---

Gary Jones, Director  
Technology Center 1600

slw



## PATENT WITHDRAWAL NOTICE

DATE WITHDRAWN

9/9/2019

WITHDRAWAL NUMBER

47393

The following application has been **WITHDRAWN** from the  
9/10/2019 issue.

SERIAL NO.

15585029

PATENT NUMBER

10407714

TITLE

CONCENTRATING A TARGET MOLECULE FOR SENSING BY A NANOPORE

NAME AND ADDRESS

KOKORIS, MARK STAMATIOS et al  
BOTHHELL, WASHINGTON

REASON FOR WITHDRAWAL

Withdrawal request by TC

APPROVED

/Kimberly House/, Manager

Patent Publication Branch  
Office of Data Management

Date	Status	Code	Description
12/11/2019		PET.	PETITION ENTERED
12/11/2019		LET.	MISCELLANEOUS INCOMING LETTER
11/05/2019		ELC_RVW	ELECTRONIC REVIEW
11/05/2019		EML_NTF	EMAIL NOTIFICATION
11/05/2019	41	MCTNF	MAIL NON-FINAL REJECTION
11/01/2019	40	CTNF	NON-FINAL REJECTION
09/11/2019		EML_NTR	EMAIL NOTIFICATION
09/09/2019		FWDX	DATE FORWARDED TO EXAMINER
09/09/2019	71	W/N=	WITHDRAWAL OF NOTICE OF ALLOWANCE
09/11/2019		MM327	MAIL MISCELLANEOUS COMMUNICATION TO APPLICANT
09/09/2019		M327	MISCELLANEOUS COMMUNICATION TO APPLICANT - NO ACTION COUNT
09/09/2019	95	WFIS	WITHDRAWAL PATENT CASE FROM ISSUE
08/22/2019		EML_NTR	EMAIL NOTIFICATION
08/21/2019	150	WPIR	ISSUE NOTIFICATION MAILED
09/10/2019		PTAC	PATENT ISSUE DATE USED IN PTA CALCULATION
08/12/2019		EFDC	EXPORT TO FINAL DATA CAPTURE
08/09/2019		D1935	DISPATCH TO FDC
08/01/2019		PILS	APPLICATION IS CONSIDERED READY FOR ISSUE
07/31/2019	95	N084	ISSUE FEE PAYMENT VERIFIED
07/31/2019	94	IFEE	ISSUE FEE PAYMENT RECEIVED
06/21/2019		FIDC	FINISHED INITIAL DATA CAPTURE
05/08/2019		CRFT	SEQUENCE FORWARDED TO PUBS ON TAPE
04/30/2019		EIDC	EXPORT TO INITIAL DATA CAPTURE
05/01/2019		ELC_RVW	ELECTRONIC REVIEW
05/01/2019		EML_NTF	EMAIL NOTIFICATION
05/01/2019	93	MN/=.	MAIL NOTICE OF ALLOWANCE
04/29/2019		OAR	OFFICE ACTION REVIEW
04/29/2019		OAR	OFFICE ACTION REVIEW
04/29/2019		OAR	OFFICE ACTION REVIEW
04/29/2019	90	N/=.	NOTICE OF ALLOWANCE DATA VERIFICATION COMPLETED

04/29/2019	IREV		ISSUE REVISION COMPLETED
04/26/2019	ORAR		OFFICE ACTION REVIEW
04/26/2019	ORAR		OFFICE ACTION REVIEW
04/26/2019	ORAR		OFFICE ACTION REVIEW
04/26/2019	ORAR		OFFICE ACTION REVIEW
04/26/2019	ORAR		OFFICE ACTION REVIEW
04/26/2019	ORAR		OFFICE ACTION REVIEW
04/26/2019	ACRE		ALLOWED CASE RETURNED TO THE EXAMINER FOR CLERICAL PROCESSING
04/26/2019	DVER		DOCUMENT VERIFICATION
04/23/2019	EX.A		EXAMINER'S AMENDMENT COMMUNICATION
04/22/2019	EXET		INTERVIEW SUMMARY - EXAMINER INITIATED - TELEPHONIC
04/23/2019	CNTA	89	ALLOWABILITY NOTICE
04/22/2019	P574		PARALEGAL OR ELECTRONIC TERMINAL DISCLAIMER APPROVED
04/22/2019	DIST		TERMINAL DISCLAIMER FILED
03/10/2019	FWDX		DATE FORWARDED TO EXAMINER
02/27/2019	A..	71	RESPONSE AFTER NON-FINAL ACTION
02/27/2019	XT/G		REQUEST FOR EXTENSION OF TIME - GRANTED
08/29/2018	ELC_RVW		ELECTRONIC REVIEW
08/29/2018	EML_NTF		EMAIL NOTIFICATION
08/29/2018	MCTNF	41	MAIL NON-FINAL REJECTION
08/23/2018	EXET		INTERVIEW SUMMARY - EXAMINER INITIATED - TELEPHONIC
08/24/2018	CTNF	40	NON-FINAL REJECTION
08/22/2018	IDSC		INFORMATION DISCLOSURE STATEMENT CONSIDERED
07/14/2017	A.PE		PRELIMINARY AMENDMENT
07/14/2017	M844		INFORMATION DISCLOSURE STATEMENT (IDS) FILED
11/02/2017	PG-ISSUE		PG-PUB ISSUE NOTIFICATION
07/20/2017	CRFE		CRF IS GOOD TECHNICALLY / ENTERED INTO DATABASE
07/23/2017	DOCK	30	CASE DOCKETED TO EXAMINER IN GAU
07/21/2017	PA..		CHANGE IN POWER OF ATTORNEY (MAY INCLUDE ASSOCIATE POA)
07/21/2017	OIPE	20	APPLICATION DISPATCHED FROM OIPE
07/21/2017	FTFI		FITF SET TO NO - REVISE INITIAL SETTING

07/14/2017	PTA.RFE	PATENT TERM ADJUSTMENT - READY FOR EXAMINATION
07/21/2017	COMP	APPLICATION IS NOW COMPLETE
07/21/2017	FLRCPT.U	FILING RECEIPT - UPDATED
07/14/2017	FLFEE	PAYMENT OF ADDITIONAL FILING FEE/PREEXAM
07/14/2017	SEQLIST	A SET OF SYMBOLS AND PROCEDURES, PROVIDED TO THE PTO ON A SET OF COMPUTER LISTINGS, THAT DESCRIBE IN
07/14/2017	CRFL	CRF DISK HAS BEEN RECEIVED BY PREEXAM / GROUP / PCT
07/14/2017	WIDS	INFORMATION DISCLOSURE STATEMENT (IDS) FILED
05/17/2017	CCRDY	APPLICATION READY FOR PDX ACCESS BY PARTICIPATING FOREIGN OFFICES
05/16/2017	FLRCPT.O	FILING RECEIPT
05/16/2017	INCD	NOTICE MAILED--APPLICATION INCOMPLETE--FILING DATE ASSIGNED
05/02/2017	APPERMS	APPLICANTS HAVE GIVEN ACCEPTABLE PERMISSION FOR PARTICIPATING FOREIGN
05/02/2017	SREXR141	PTO/SB/69-AUTHORIZE EPO ACCESS TO SEARCH RESULTS
05/09/2017	SMAL	APPLICANT HAS FILED A VERIFIED STATEMENT OF SMALL ENTITY STATUS IN COMPLIANCE WITH 37 CFR 1.27
05/04/2017	L128	CLEARED BY L&R (LARS)
05/04/2017	L198	REFERRED TO LEVEL 2 (LARS) BY OIPE CSR
05/02/2017	SCAN	IFW SCAN & PACR AUTO SECURITY REVIEW
05/02/2017	BIG.	ENTITY STATUS SET TO UNDISCOUNTED (INITIAL DEFAULT SETTING OR STATUS CHANGE)
05/02/2017	IEXX	INITIAL EXAM TEAM NN

15/585,029	CONCENTRATING A TARGET MOLECULE FOR SENSING BY A NANOPORE	870225.408C1	01-23- 2020::08:13:17
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**Transaction History**


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Date	Transaction Description
12-11-2019	Petition Entered
12-11-2019	Miscellaneous Incoming Letter
11-05-2019	Electronic Review
11-05-2019	Email Notification
11-05-2019	Mail Non-Final Rejection
11-01-2019	Non-Final Rejection
09-11-2019	Email Notification
09-09-2019	Date Forwarded to Examiner
09-09-2019	Withdrawal of Notice of Allowance
09-11-2019	Mail Miscellaneous Communication to Applicant
09-09-2019	Miscellaneous Communication to Applicant - No Action Count
09-09-2019	Withdrawal Patent Case from Issue
08-22-2019	Email Notification
08-21-2019	Issue Notification Mailed
09-10-2019	Patent Issue Date Used in PTA Calculation
08-09-2019	Dispatch to FDC
08-01-2019	Application Is Considered Ready for Issue
07-31-2019	Issue Fee Payment Verified
07-31-2019	Issue Fee Payment Received
05-08-2019	Sequence Forwarded to Pubs on Tape
05-01-2019	Electronic Review
05-01-2019	Email Notification
05-01-2019	Mail Notice of Allowance
04-29-2019	Notice of Allowance Data Verification Completed
04-23-2019	Examiner's Amendment Communication
04-22-2019	Interview Summary - Examiner Initiated - Telephonic
04-22-2019	PARALEGAL OR ELECTRONIC TERMINAL DISCLAIMER APPROVED
04-22-2019	Terminal Disclaimer Filed
03-10-2019	Date Forwarded to Examiner
02-27-2019	Response after Non-Final Action
02-27-2019	Request for Extension of Time - Granted
08-29-2018	Electronic Review
08-29-2018	Email Notification
08-29-2018	Mail Non-Final Rejection
08-23-2018	Interview Summary - Examiner Initiated - Telephonic
08-24-2018	Non-Final Rejection
08-22-2018	Information Disclosure Statement considered
07-14-2017	Preliminary Amendment
07-14-2017	Information Disclosure Statement (IDS) Filed
11-02-2017	PG-Pub Issue Notification
07-20-2017	CRF Is Good Technically / Entered into Database
07-23-2017	Case Docketed to Examiner in GAU

07-21-2017 Change in Power of Attorney (May Include Associate POA)  
07-21-2017 Application Dispatched from OIPE  
07-21-2017 FITF set to NO - revise initial setting  
07-14-2017 Patent Term Adjustment - Ready for Examination  
07-21-2017 Application Is Now Complete  
07-21-2017 Filing Receipt - Updated  
07-14-2017 Payment of additional filing fee/Preexam  
07-14-2017 A set of symbols and procedures, provided to the PTO on a set of computer listings, that describe in  
07-14-2017 CRF Disk Has Been Received by Preexam / Group / PCT  
07-14-2017 Information Disclosure Statement (IDS) Filed  
05-17-2017 Application ready for PDX access by participating foreign offices  
05-16-2017 Filing Receipt  
05-16-2017 Notice Mailed--Application Incomplete--Filing Date Assigned  
05-02-2017 Applicants have given acceptable permission for participating foreign  
05-02-2017 PTO/SB/69-Authorize EPO Access to Search Results  
05-09-2017 Applicant Has Filed a Verified Statement of Small Entity Status in Compliance with 37 CFR 1.27  
05-04-2017 Cleared by L&R (LARS)  
05-04-2017 Referred to Level 2 (LARS) by OIPE CSR  
05-02-2017 IFW Scan & PACR Auto Security Review  
05-02-2017 ENTITY STATUS SET TO UNDISCOUNTED (INITIAL DEFAULT SETTING OR STATUS CHANGE)  
05-02-2017 Initial Exam Team nn

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