504878919 04/20/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW J. STEVENS	08/02/2017
LIBOR KOVARIK	08/02/2017
ANDREY V. LIYU	08/02/2017
NIGEL D. BROWNING	04/20/2018

RECEIVING PARTY DATA

Name:	BATTELLE MEMORIAL INSTITUTE		
Street Address:	P.O. BOX 999, K1-53		
City:	RICHLAND		
State/Country:	WASHINGTON		
Postal Code:	99352		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15666159

CORRESPONDENCE DATA

Fax Number: (509)375-4487

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: ALLAN C. TUAN **Address Line 1:** P.O. BOX 999, K1-53

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ATTORNEY DOCKET NUMBER:	31118-E
NAME OF SUBMITTER:	ALLAN C. TUAN
SIGNATURE:	/ ALLAN C. TUAN, REG. NO. 55,689 /
DATE SIGNED:	04/20/2018

Total Attachments: 7

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PATENT 504878919 REEL: 045600 FRAME: 0073



PATENT REEL: 045600 FRAME: 0074

ASSIGNMENT OF PATENT RIGHTS

Andrew J. Stevens Libor Kovarik Andrey V. Liyu Nigel D. Browning

To
Battelle Memorial Institute

WHEREAS, we, Andrew J. Stevens of Richland, County of Benton, State of Washington; Libor Kovarik of West Richland, County of Benton, State of Washington; Andrey V. Liyu of Pasco, County of Franklin, State of Washington; and Nigel D. Browning of Richland, County of Benton, State of Washington; hereinafter INVENTORS, are the original inventors of certain inventions related to, OPTIMIZED SUB-SAMPLING IN AN ELECTRON MICROSCOPE including those, described and claimed in various disclosures and patent applications including:

U.S. Patent Application No. 15/666,159, filed August 1, 2017, Entitled: Optimized Sub-Sampling in an Electron Microscope

; collectively referred to hereinafter as INVENTIONS.

For which we hereby authorize to be made any and all applications for Patent in the United States and any other country for such INVENTIONS.

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, has by prior agreement acquired all right, title, and interest in the said INVENTIONS and in all patents or patent applications sought or obtained therefor;

NOW, THEREFORE, be it known to all those who may be concerned, that for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations,

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the receipt of which is hereby acknowledged, We the INVENTORS do hereby reaffirm said assignment and do hereby confirm by these presents the sale, assignment and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the INVENTIONS shown, described, or claimed herein, and the full and exclusive right, title, and interest to any and all patents and patent applications that show, describe or claim said INVENTIONS including but not limited to those applications referenced herein, and in and to any extensions, continuations, including continuations in part, reissues, divisions, or renewals thereof; and We each do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them to the said Battelle Memorial Institute, as the assignee of my entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

We each further covenant and agree that we each will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; and that each of us will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions (including continuations or continuations in part applications), or any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

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We each further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of International Conventions and agree to execute applications of the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said Battelle Memorial Institute, the assignee herein, as well as all other necessary papers.

We do further hereby acknowledge that any willful false statements made in this assignment is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years or both.

·.
Executed at Richland, State of Washington, this day of August, 2017.
Andrew J. Stevens
Andrew J. Stevens
STATE OF Washington)) ss.
COUNTY OF Benton)
This 2rd day of August, 2017, before me personally came the above-named Andrew J. Stevens, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.
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Notary Public for the State of Washington
My commission expires: \\\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
[SEAL] SEAL SERVING SE
m

Executed at Richland, State of Washington, this ______ day of August, 2017. STATE OF Washington **COUNTY OF Benton** This Zno day of August, 2017, before me personally came the above-named Libor Kovarik, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein. Notary Public for the State of Washington
My commission expires: 129 20 [SEAL]

Executed at Richland, State of Wa	ıshing	gton, this	2 day of August, 2017.
			Huf
			Andrey V. Liyu
STATE OF Washington)	00	
COUNTY OF Benton)	SS.	
This 2nd day of August, 2017 who executed the foregoing instruence executed the same of his own free	ment	in my pre	ersonally came the above-named Andrey V. Liyu, esence, and who acknowledged to me that he proses set forth therein.
AND THE PROPERTY OF THE PROPER			V Wind and in
EADING THE STATE OF THE STATE O	Ł.		Notary Public for the State of Washington
TARK THE			My commission expires: \\\\ \ \ \ \ \ \ \ \ \ \ \ \
	PPPPP		
1/1 0 1 - 29			
[SEAL]			

Executed at Nagerville State of Illians, this $\frac{\partial O^{th}}{\partial t}$ day of April 2018.
Mys Com
Nigel D. Browning
STATE OF Thins) COUNTY OF Will)
This day of Again, 2018, before me personally came the above-named Nigel D. Browning, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.
Cetrick-DD-1
PATRICK D DENINGER JR. Notary Public for the State of Thing:)
Official Seal My commission expires: 11-17-3019 Notary Public - State of Illinois
My Commission Expires Nov 17, 2019
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[SEAL]