PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4946004

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN CHAPUT	04/10/2018
ANDREW LARSEN	04/09/2018
MATTHEW DUNN	04/10/2018

RECEIVING PARTY DATA

Name:	ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY					
Street Address:	SKYSONG, 1475 N. SCOTTSDALE ROAD					
Internal Address:	SUITE 200					
City:	SCOTTSDALE					
State/Country:	ARIZONA					
Postal Code:	85257					

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15766716

CORRESPONDENCE DATA

Fax Number: (480)830-2717

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.

Phone: 480-830-2700

Email: aho@boothudall.com

Correspondent Name: RODNEY J. FULLER, BOOTH UDALL FULLER, PLC

Address Line 1: 1255 W. RIO SALADO PKWY.

Address Line 2: SUITE 215

Address Line 4: TEMPE, ARIZONA 85281

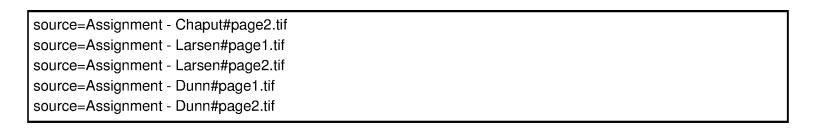
ATTORNEY DOCKET NUMBER:	24667.024
NAME OF SUBMITTER:	RODNEY J. FULLER
SIGNATURE:	/Rodney J. Fuller/
DATE SIGNED:	05/03/2018

Total Attachments: 6

source=Assignment - Chaput#page1.tif

PATENT REEL: 045711 FRAME: 0747

504899260



PATENT REEL: 045711 FRAME: 0748

ASSIGNMENT

This Assignment is made and executed by John Chaput, Andrew Larsen, and Matthew Dunn (hereinafter "Assignors"), to and in favor of ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, having a business address of SkySong, 1475 N. Scottsdale Road, Suite 200, Scottsdale, Arizona 85257 (hereinafter "Assignee").

Whereas each of the Assignors desires to assign his entire right, title and interest in and to the invention described in the nonprovisional patent application for a United States Patent entitled "HIGHLY SENSITIVE OPTICAL SENSOR FOR POLYMERASE SCREENING" Serial No. 15/766,716 filed on April 6, 2018 (hereinafter the "Patent Application") and all patents, patent applications and the like on the invention to Assignee for valuable consideration; and

Whereas Assignee has provided such valuable consideration to each of the Assignors;

Accordingly, each of the Assignors warrants, covenants and agrees as follows:

- 1. Each of the Assignors hereby sells, assigns and conveys to Assignee such Assignor's entire right, title and interest in and to the invention described in the Patent Application, including the Patent Application itself and all substitute, continuation, continuation-in-part and divisional applications based in whole or in part on the Patent Application, and including all patents resulting therefrom and all reissues and extensions thereof, and including any and all rights of priority resulting from the filing of any such applications within the United States.
- 2. Each of the Assignors hereby sells, assigns and conveys to Assignee such Assignor's entire right, title and interest in all counterparts to the Patent Application that have been or may be filed outside the United States or under the Patent Cooperation Treaty, whether pursued as a patent, an inventor's certificate, a utility model or the like, including all rights of priority based on the Patent Application, further including all continuation, continuation-in-part and divisional applications based in whole or in part on the non-U.S. counterparts, and still further including all patents, inventor's certificates, utility models, reissues and extensions resulting from any of the non-U.S. counterparts.
- 3. Each of the Assignors hereby grants to Assignee the sole and exclusive right to prosecute the Patent Application and all related applications as described in Paragraphs 1 and 2 above, as well as any opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings. Each of the Assignors authorizes all governmental bodies having the power to issue patents, inventor's certificates or utility models to issue a patent, inventor's certificate or utility model based on the Patent Application or any related applications as described in Paragraphs 1 and 2 above in the name of Assignee.
- 4. Each of the Assignors agrees upon request and without further consideration, but at Assignee's expense: (a) to assist Assignee in prosecuting the Patent Application and all related applications as described in Paragraphs 1 and 2 above, as well as opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings; (b) to provide Assignee with information concerning the Patent Application and the related applications described in Paragraphs 1 and 2 above to enable Assignee to obtain, secure and protect all of the rights, title and interest sold, assigned, conveyed and granted under this Assignment (the "Assigned Assets"); (c) to sign papers, take oaths and testify in legal proceedings to enable Assignee to obtain, secure and protect the Assigned Assets; and (d) to perform all acts reasonably necessary to enable Assignee to obtain, secure

Page 1 of 3

ASSIGNMENT Docket No. 11157.024

Title: "Highly Sensitive Optical Sensor for Polymerase Screening"

U.S. Patent Application No. 15/766,716

and protect the Assigned Assets, including assistance in any proceedings pertaining to the Patent Application and the related applications described in Paragraphs 1 and 2 above or to their enforcement.

- 5. Each of the Assignors warrants and covenants that such Assignor has the full right to sell, assign and convey the Assigned Assets, that all of the Assigned Assets are free and clear of all mortgages, liens, security interests, charges, claims, royalty obligations and encumbrances of any nature whatsoever and that the Assignor has not executed and will not execute any agreement in conflict with this Assignment.
- 6. Assignee may assign the Assigned Assets in whole or in part. All references herein to Assignee include any successors or assigns of Assignee.

	ors acknowledges that Assignee has paid valuable consideration for
the Assigned Assets. H/10/20/8	John Com
Date	John Chaput
Date	Andrew Larsen
Date	Matthew Dunn

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- 2. Each of the Assignors hereby sells, assigns and conveys to Assignee such Assignor's entire right, title and interest in all counterparts to the Patent Application that have been or may be filed outside the United States or under the Patent Cooperation Treaty, whether pursued as a patent, an inventor's certificate, a utility model or the like, including all rights of priority based on the Patent Application, further including all continuation, continuation-in-part and divisional applications based in whole or in part on the non-U.S. counterparts, and still further including all patents, inventor's certificates, utility models, reissues and extensions resulting from any of the non-U.S. counterparts.
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ASSIGNMENT Docket No. 11157,024

Title: "Highly Sensitive Optical Sensor for Polymerase Screening"

U.S. Patent Application No. 15/766,716

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- 6. Assignee may assign the Assigned Assets in whole or in part. All references herein to Assignee include any successors or assigns of Assignee.
- Each of the Assignors acknowledges that Assignee has paid valuable consideration for the Assigned Assets.

Date	John Chaput
April 9, 20 18 Date	Andrew Larsen
Date	Matthew Dunn

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Page 1 of 3

ASSIGNMENT Docket No. 11157.024

Title: "Highly Sensitive Optical Sensor for Polymerase Screening"

U.S. Patent Application No. 15/766,716

Assigned Assets; and (d) to perform all acts reasonably necessary to enable Assignee to obtain, secure and protect the Assigned Assets, including assistance in any proceedings pertaining to the Patent Application and the related applications described in Paragraphs 1 and 2 above or to their enforcement.

- 5. Each of the Assignors warrants and covenants that such Assignor has the full right to sell, assign and convey the Assigned Assets, that all of the Assigned Assets are free and clear of all mortgages, liens, security interests, charges, claims, royalty obligations and encumbrances of any nature whatsoever and that the Assignor has not executed and will not execute any agreement in conflict with this Assignment.
- 6. Assignee may assign the Assigned Assets in whole or in part. All references herein to Assignee include any successors or assigns of Assignee.

	1.	Each	of the	Assignors	acknowle	ages thai	Assignee	nas	para	valuable	consider	ation
for the	Assigne	d Asse	ets.									
Date			_			John Cha	aput					

Date	Andrew Larsen	

Date Matthew Dunn