506314300 10/21/2020 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ					
		Name			Execution Date	
AUSTIN WU					03/01/2018	
DAVID THAO DO					03/01/2018	
TIMOTHY WAYNE PET	ERSEN				03/01/2018	
JIANYING CAO					03/01/2018	
RECEIVING PARTY DA	ATA					
Name:	BECTO	N, DICKINSON AND COMPANY				
Street Address:	1 BEC	1 BECTON DRIVE				
Internal Address:	MC110	MC110				
City:	FRANK	FRANKLIN LAKES				
State/Country:	NEW J	NEW JERSEY				
	07417-1880					
		880				
Postal Code: PROPERTY NUMBERS Property Type						
PROPERTY NUMBERS Property Type		880 Number 16752287				
PROPERTY NUMBERS Property Type Application Number:	S Total: 1	Number				
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Total Attachments: 4

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ASSIGNMENT OF APPLICATION

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THIS ASSIGNMENT, by Austin Wu, residing in San Jose, California, David Thao Do, residing in San Jose, California, Timothy Wayne Petersen, residing in Seattle, Washington, and Jianying Cao, residing in San Jose, California (hereinafter referred to as the assignors), respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"Light Detection Systems and Methods for Using Thereof"

X filed on February 12, 2018 as U.S. Application Serial No. 15/894,642; and

X filed on February 12, 2018 as PCT International Application No. <u>US2018/017859</u>.

WHEREAS, Becton, Dickinson and Company, a corporation duly organized under and pursuant to the laws of New Jersey, and having its principal place of business at 1 Becton Drive, MC110, Franklin Lakes, New Jersey 07417-1880 (hereinafter referred to as the assignee) is desirous of acquiring said assignors' right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of said assignors' right, title and interest in and to, as well as the right to claim priority of, the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

Date 3/1/2018	Name of Inventor	Wu, Austin
Date 3/1/2018	Name of Inventor _	Do, David Thao
Date	Name of Inventor _	Petersen, Timothy Wayne
Date	Name of Inventor _	Cao, Jianying

ASSIGNMENT OF APPLICATION

Atty Docket No. BECT-127 (P-15331) Atty Docket No. BECT-127WO (P-15331.70)

THIS ASSIGNMENT, by Austin Wu, residing in San Jose, California, David Thao Do, residing in San Jose, California, Timothy Wayne Petersen, residing in Seattle, Washington, and Jianying Cao, residing in San Jose, California (hereinafter referred to as the assignors), respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

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X filed on February 12, 2018 as PCT International Application No. US2018/017859.

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NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assigners have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of said assignors' right, title and interest in and to, as well as the right to claim priority of, the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

Date	Name of Inventor
	Wu, Austin
Date	Name of Inventor
× 5	Do, David Thao
Date 3/1/18	Name of Inventor The And Alter
\$	Petersen, Timathy Wayne
Date	Name of Inventor Cao, Jianying

PATENT REEL: 054128 FRAME: 0362

ASSIGNMENT OF APPLICATION

Atty Docket No. BECT-127 (P-15331) Atty Docket No. BECT-127WO (P-15331,70)

PATENT REEL: 054128 FRAME: 0363

THIS ASSIGNMENT, by Austin Wu, residing in San Jose, California, David Than Do, residing in San Jose, California, Timothy Wayne Petersen, residing in Senttle, Washington, and Jianying Cao, residing in San Jose, California (hereinafter referred to as the assignors), respectively, witnesseth:

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NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of said assignors' right, title and interest in and to, as well as the right to claim priority of, the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assigners, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignce as the assignce of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignce, its successors, legal representatives and assigns.

Date	Name of Inventor	
		W0, Austin
Date	Name of Inventor_	
		Do, David Thao
Date	Name of Inventor_	
		Petersen, Timothy Wayne
Dare 3 11 12018	Name of Inventor≤	
		Cao, Jianying
	1. 1. 	

	ASSIGNMENT OF APPLIC	ATION
		Atty Docket No. BECT-127 (P-15331) Atty Docket No. BECT-127WO (P-15331.70) <u>15/894,642</u> filed February 12, 2018 <u>US2018/017859</u> filed February 12, 2018 Page 2 of 2
Hereby accepted on behalf of the assig	`	
Signature	<u># 11/1000</u>	
10 May 2018	Scott J. Rittman	
Date	Name (print)	
Assistant Secretary - Bec	ton, Dickinson and Comp	any
Title and Company		