

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT6193314

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY ERIC F. WAGNER DATA WHICH WAS INADVERTENTLY ADDED AS AN ASSIGNEE previously recorded on Reel 052937 Frame 0700. Assignor(s) hereby confirms the CONVEYING PARTY ERIC F. WAGNER DATA WAS INADVERTENTLY ADDED AS AN ASSIGNEE.
CONVEYING PARTY DATA	
Name	Execution Date
ALVIN R. LEBECK	10/30/2019
CRAIG LABODA	10/30/2019
CHRIS DWYER	10/30/2019
RECEIVING PARTY DATA	
Name:	DUKE UNIVERSITY
Street Address:	2812 ERWIN ROAD
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27705
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16605555
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<i>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.</i>	
Phone:	3129130001
Email:	neth@mbhb.com, docketing@mbhb.com
Correspondent Name:	MCDONNELL BOEHNNEN HULBERT & BERGHOFF LLP
Address Line 1:	300 SOUTH WACKER DRIVE
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	17-746-WO-US
NAME OF SUBMITTER:	MICHELLE L. MCMULLEN
SIGNATURE:	/Michelle L. McMullen/
DATE SIGNED:	07/09/2020
Total Attachments: 7	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT6153199

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALVIN R. LEBECK	10/30/2019
CRAIG LABODA	10/30/2019
CHRIS DWYER	10/30/2019
ERIC F. WAGNER	10/30/2019
RECEIVING PARTY DATA	
Name:	DUKE UNIVERSITY
Street Address:	2812 ERWIN ROAD
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27705
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16605555
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<i>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.</i>	
Phone:	3129130001
Email:	docketing@mbhb.com
Correspondent Name:	MCDONNELL BOEHNNEN HULBERT & BERGHOFF LLP
Address Line 1:	300 SOUTH WACKER DRIVE
Address Line 2:	SUITE 3200
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	17-746-WO-US
NAME OF SUBMITTER:	BENJAMIN A. RELLINGER
SIGNATURE:	/Benjamin A. Rellinger/
DATE SIGNED:	06/15/2020
Total Attachments: 6	
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ASSIGNMENT

Case Nos: 17-746-WO-US & 17-746-WO
Inventors: Alvin R. Lebeck et al.

Serial Nos: 16/605,555 & PCT/US2018/037076
Filing Dates: October 16, 2019 & June 12, 2018

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**DUKE UNIVERSITY
2812 Erwin Road
Durham, North Carolina 27705**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**RESONATOR NETWORKS FOR IMPROVED LABEL DETECTION, COMPUTATION, ANALYTE
SENSING, AND TUNABLE RANDOM NUMBER GENERATION**

and identified as:

Case Nos. 17-746-WO-US and 17-746-WO

in the offices of McDONNELL BOEHNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.


The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of

preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 30th day of Oct, 2019.


WITNESS Jennifer Schmidt


Alvin R. Lebeck


WITNESS Melanie S. Eberhart


WITNESS my hand and seal this 30th day of October, 2019.

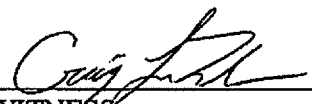
Chris Dwyer
WITNESS

Craig Laboda
Craig Laboda

[Signature]
WITNESS

WITNESS my hand and seal this 30th day of October, 2019.


Chris Dwyer

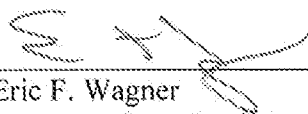

WITNESS


WITNESS

Assignee:

Executed this 30 day of October 2019

Assignee Signature:


Eric F. Wagner
Director of Legal Affairs

Address: Duke University
Office of Licensing & Ventures
2812 Erwin Road
Durham, North Carolina 27705

Witness by:

Signature: KATRINA HOLLAND

Date: 10/30/2019

Print Name: KATRINA HOLLAND

Witness by:

Signature: Deborah Gornit

Date: 10/30/19

Print Name: Deborah Gornit