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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZACHARY SCHULTZ	06/02/2015
OLUWATOSIN DADA	08/24/2015
PIERRE NEGRI	06/08/2015
KEVIN JACOBS	06/02/2015

RECEIVING PARTY DATA

Name:	UNIVERSITY OF NOTRE DAME DU LAC	
Street Address:	940 GRACE HALL	
Internal Address:	OFFICE OF TECHNOLOGY TRANSFER	
City:	NOTRE DAME	
State/Country:	INDIANA	
Postal Code:	46556	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14722062
Application Number:	62002495

CORRESPONDENCE DATA

Fax Number: (612)238-7251

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: 612-238-7850

Email: jmesser@hfglobalip.com HAUKAAS FISH PLLC **Correspondent Name:** Address Line 1: 1635 HENNEPIN AVE.

Address Line 2: SUITE 300

Address Line 4: MINNEAPOLIS, MINNESOTA 55403

ATTORNEY DOCKET NUMBER:	501.036US1
NAME OF SUBMITTER:	MICHAEL HAUKAAS
SIGNATURE:	/ Michael Haukaas /
DATE SIGNED:	09/02/2015

PATENT REEL: 036475 FRAME: 0763 503463006

Total Attachments: 5 source=501.036US1 Executed Assignment#page1.tif source=501.036US1 Executed Assignment#page2.tif source=501.036US1 Executed Assignment#page3.tif source=501.036US1 Executed Assignment#page4.tif source=501.036US1 Executed Assignment#page5.tif

PATENT REEL: 036475 FRAME: 0764

ASSIGNMENT

WHEREAS, we,

- **Zachary SCHULTZ**, a citizen of the United States of America and residing at 15205 Longford Drive, Granger, Indiana 46530, USA;
- **Oluwatosin DADA**, a citizen of Nigeria and residing at 5716 136th Street SE, Everett, Washington 98208, USA;
- **Pierre NEGRI**, a citizen of France and residing at 1810 North Honore Street, Chicago, Illinois 60622, USA; and
- **Kevin JACOBS**, a citizen of the United States of America and residing at 207 Remington Court S. Dr., Apt. E, Mishawaka, Indiana 46545, USA,

have made certain new and useful inventions and certain improvements as described and set forth below;

Whereas, the University of Notre Dame du Lac, a university having a place of business at Office of Technology Transfer, 940 Grace Hall, Notre Dame, IN 46556, US (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title, and interest to said invention and to any United States and foreign patents to be obtained therefore;

Now therefore, I/WE, the undersigned inventors, hereby sell, assign, and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest in the invention entitled:

ULTRASENSITIVE SERS FLOW DETECTOR

and described in U.S. Application No. 14/722,062, filed May 26, 2015, claiming priority from U.S. Provisional Patent Application No. 62/002,495 filed May 23, 2014, and any and all applications for patent and patents in any and all countries, including all divisions, continuations, reissues, and extensions thereof and all rights of priority resulting from the filing of said United States patent application, and all applications for patent and patents in any and all countries, resulting from the filing of said United States patent application. I/We request the Commissioner of Patents issue any Letters Patent granted upon the inventions set forth in said application to ASSIGNEE, its successors and assigns; and we hereby agree that ASSIGNEE may apply for foreign Letters Patent on said invention and I/We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by ASSIGNEE.

I/We do hereby agree that upon request and without further consideration I/We and our respective executors and legal representatives will communicate to ASSIGNEE or its representatives or nominees any facts known to Me/Us respecting said improvements and testify in any legal proceedings, sign and deliver all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally aid the ASSIGNEE, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention in all countries.

Page 1 of 5

	achary SCHULTZ, have caused this ASSIGNMENT to be
signed this 2 day of Ju	NE
	Zachary SCHULTZ
Talina C	
STATE OF <u>Indiana</u>	
COUNTY OF St. Joseph) ss. _)
On this 2nd day of July	, 2015, before me personally appeared
Zachary SCHULTZ, personally kn	own to me or proved to me on the basis of satisfactory
	me is subscribed to the within instrument, and acknowledged
	of his/her authorized capacity, and that by his/her signature entity upon behalf of which the person acted, executed the
instrument.	, and the second time
WITNESS my hand and official seal	1.
WITNESS my hand and official sear	1 / 1 1
	Shari & Herman
	Notary Public
[SEAL]	My Commission expires: $1/4/2023$
	SHARI L. HERMAN
	Notary Public - Seal State of Indiana
	St Joseph County
	My Commission Expires Jan 4, 2023

Attorney Docket No. 501.036US1 (ND Ref. No. D-13-038)
IN TESTIMONY WHEREOF, I, Oluwatosin DADA, have caused this ASSIGNMENT to be
signed this 24th day of August, 2015.
Hatand
Oluwatosin DADA
STATE OF washing ton
STATE OF washington COUNTY OF 5 no homish Ss.
On this A4 day of Angust , 2015, before me personally appeared
Oluwatosin DADA, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal:
My mys Ryan nimarver
District Public 2
[SEAL] My Commission expires: My 2018
RYAN M FRAZIER Notary Public State of Washington

Commission Expires 05/01/2018

Notary Public

My Commission expires:

WITNESS my hand and official seal:

[SEAL]

Attorney Docket No. 501.036US1 (ND Ref. No. D-13-038)

IN TESTIMONY WHEREOF, I, Ke	vin JACOBS, have caused this ASSIGNMENT to be
signed this A day of VA	vin JACOBS, have caused this ASSIGNMENT to be, 2015.
	Their Caedle Kevin JACOBS
STATE OF Indiana)
COUNTY OF St. Joseph) ss. _)
Kevin JACOBS , personally known to be the person whose name is subsethat he/she executed the same of his/	, 2015, before me personally appeared to me or proved to me on the basis of satisfactory evidence cribed to the within instrument, and acknowledged to me her authorized capacity, and that by his/her signature on the apon behalf of which the person acted, executed the
WITNESS my hand and official seal	Notary Public
[SEAL]	My Commission expires: $1/4/2023$
	SHARI L. HERMAN Notary Public - Seal State of Indiana St Joseph County My Commission Expires Jan 4, 2023