

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3711714

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN COATES	01/13/2014
ROBERT QUALLS	01/13/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SENTELLIGENCE, INC.
<b>Street Address:</b>	11805 N. PENNSYLVANIA AVE.
<b>City:</b>	CARMEL
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46032
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14947156
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)542-5825
<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>	
<b>Phone:</b>	2155425824
<b>Email:</b>	assignments@phd-ip.com
<b>Correspondent Name:</b>	HOWARD IP LAW GROUP
<b>Address Line 1:</b>	550 PINETOWN ROAD
<b>Address Line 2:</b>	SUITE 430
<b>Address Line 4:</b>	FORT WASHINGTON, PENNSYLVANIA 19034
<b>ATTORNEY DOCKET NUMBER:</b>	MSI-729-A-US-DIV2
<b>NAME OF SUBMITTER:</b>	DEBRA GABRIEL
<b>SIGNATURE:</b>	/Debra Gabriel/
<b>DATE SIGNED:</b>	01/26/2016
<b>Total Attachments: 7</b>	
source=00181626#page1.tif	
source=00181626#page2.tif	
source=00181626#page3.tif	
source=00181626#page4.tif	

source=00181626#page5.tif

source=00181626#page6.tif

source=00181626#page7.tif

## NUNC PRO TUNC ASSIGNMENT

WHEREAS, We, John Coates and Robert Qualls (hereinafter ASSIGNORS), have made certain new and useful inventions and improvements described and claimed in applications for patents of the United States and International Patent Applications under the Patent Cooperation Treaty, as listed on Schedule A attached;

AND WHEREAS Sentelligence, Inc., a corporation organized and existing under the laws of the State of Indiana, having an address of 11805 North Pennsylvania Ave., Carmel, Indiana 46032, USA (hereinafter ASSIGNEE), is the owner of the entire right, title and interest in and to said inventions, improvements, patents and applications and in and to the patents to be obtained therefore, in accordance with agreements duly entered into with us;

NOW THEREFORE, we are executing this Nunc Pro Tunc Assignment nunc pro tunc to confirm that we have assigned to ASSIGNEE our entire right, title and interest in the patents and patent applications identified on Schedule A as of the filing date of each of those applications;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have, as of the filing date of the applications listed in Schedule A attached, sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the patents and applications listed on Schedule A, said inventions as described in said patents and applications, together with our entire right, title and interest in and to such patents as may issue on any of the said applications, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said patents and applications; said inventions, applications and patents to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made; we hereby convey and confirm that we have conveyed to said ASSIGNEE as of the filing date of each of the patent applications identified on Schedule A all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for patents, all choses in action pertaining to the applications or patents including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or patents. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, patents and applications, carries with it the right in ASSIGNEE to apply for and obtain from

NUNC PRO TUNC ASSIGNMENT

competent authorities in all countries of the world any and all patents by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such patents to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid patents, applications and inventions to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements, the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved, and the communication to said ASSIGNEE, its successors, assigns and legal representatives, of all facts known to us relating to said inventions and the history thereof;

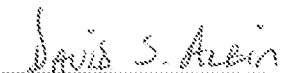
AND, furthermore, we covenant and agree with said ASSIGNEE, its successors and assigns that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us. We do hereby authorize and request the Commissioner of Patents of the United States and counterpart officials of patent offices in other countries and regional offices worldwide to issue such patents as shall be granted upon said applications or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor's Signature: \_\_\_\_\_

  
John Coates

Date: 1/13/14

WITNESS:

  
\_\_\_\_\_

(Please Print Name)

  
\_\_\_\_\_

(Signature)

1/13/14  
\_\_\_\_\_  
(Date)

NUNC PRO TUNC ASSIGNMENT

**SCHEDULE A**

Country	App. No.	Filing Date	Title
US	61/520,308	June 7, 2011	LOW-COST IN-LINE AND IN-TANK FLUID QUALITY SENSORS BASED ON SPECTRAL MEASUREMENT PRINCIPLES
US	13/491,573	June 7, 2012	OPTICAL SENSING DEVICE FOR FLUID SENSING AND METHODS THEREFOR
PCT	PCT/US2012/041431	June 7, 2012	OPTICAL DEVICE FOR FLUID SENSING AND METHODS THEREFOR

## NUNC PRO TUNC ASSIGNMENT

WHEREAS, We, John Coates and Robert Qualls (hereinafter ASSIGNORS), have made certain new and useful inventions and improvements described and claimed in applications for patents of the United States and International Patent Applications under the Patent Cooperation Treaty, as listed on Schedule A attached;

AND WHEREAS Sentelligence, Inc., a corporation organized and existing under the laws of the State of Indiana, having an address of 11805 North Pennsylvania Ave., Carmel, Indiana 46032, USA (hereinafter ASSIGNEE), is the owner of the entire right, title and interest in and to said inventions, improvements, patents and applications and in and to the patents to be obtained therefore, in accordance with agreements duly entered into with us;

NOW THEREFORE, we are executing this Nunc Pro Tunc Assignment nunc pro tunc to confirm that we have assigned to ASSIGNEE our entire right, title and interest in the patents and patent applications identified on Schedule A as of the filing date of each of those applications;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have, as of the filing date of the applications listed in Schedule A attached, sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the patents and applications listed on Schedule A, said inventions as described in said patents and applications, together with our entire right, title and interest in and to such patents as may issue on any of the said applications, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said patents and applications; said inventions, applications and patents to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made; we hereby convey and confirm that we have conveyed to said ASSIGNEE as of the filing date of each of the patent applications identified on Schedule A all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for patents, all choses in action pertaining to the applications or patents including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or patents. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, patents and applications, carries with it the right in ASSIGNEE to apply for and obtain from

NUNC PRO TUNC ASSIGNMENT

competent authorities in all countries of the world any and all patents by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such patents to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid patents, applications and inventions to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements, the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved, and the communication to said ASSIGNEE, its successors, assigns and legal representatives, of all facts known to us relating to said inventions and the history thereof;

AND, furthermore, we covenant and agree with said ASSIGNEE, its successors and assigns that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us. We do hereby authorize and request the Commissioner of Patents of the United States and counterpart officials of patent offices in other countries and regional offices worldwide to issue such patents as shall be granted upon said applications or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor's Signature: \_\_\_\_\_  
John Coates

Date: \_\_\_\_\_

**WITNESS:**


\_\_\_\_\_  
(Please Print Name)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

NUNC PRO TUNC ASSIGNMENT


Inventor's Signature:

  
Robert Qualls

Date: 1/13/14

**WITNESS:**

Joshua Knepp  
(Please Print Name)

  
(Signature)

1/13/14  
(Date)



NUNC PRO TUNC ASSIGNMENT

**SCHEDULE A**

<b>Country</b>	<b>App. No.</b>	<b>Filing Date</b>	<b>Title</b>
US	61/520,308	June 7, 2011	LOW-COST IN-LINE AND IN-TANK FLUID QUALITY SENSORS BASED ON SPECTRAL MEASUREMENT PRINCIPLES
US	13/491,573	June 7, 2012	OPTICAL SENSING DEVICE FOR FLUID SENSING AND METHODS THEREFOR
PCT	PCT/US2012/041431	June 7, 2012	OPTICAL DEVICE FOR FLUID SENSING AND METHODS THEREFOR