

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert W. WILEY</td> <td>10/11/2011</td> </tr> <tr> <td>Scott W. PETERS</td> <td>10/11/2011</td> </tr> <tr> <td>Peter H. WILSON</td> <td>10/11/2011</td> </tr> </tbody> </table>		Name	Execution Date	Robert W. WILEY	10/11/2011	Scott W. PETERS	10/11/2011	Peter H. WILSON	10/11/2011		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>APEX SPECTRAL TECHNOLOGY, INC.</td> </tr> <tr> <td>Street Address:</td> <td>10333 Richmond Road, Suite 440</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77042</td> </tr> </table>		Name:	APEX SPECTRAL TECHNOLOGY, INC.	Street Address:	10333 Richmond Road, Suite 440	City:	Houston	State/Country:	TEXAS	Postal Code:	77042
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PROPERTY NUMBERS Total: 3											
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CORRESPONDENCE DATA											
<p>Fax Number: 7132288778 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 713-228-8600 Email: vega@oshaliang.com Correspondent Name: T. Chyau Liang Address Line 1: 909 Fannin Address Line 2: Suite 3500 Address Line 4: Houston, TEXAS 77010</p>											
ATTORNEY DOCKET NUMBER:	17083/005002 (VAV)										
NAME OF SUBMITTER:	T. Chyau Liang										

OP \$120.00 61416393

Signature:	/T. Chyau Liang/
Date:	05/13/2013
Total Attachments: 2 source=17083_005002_ASSN#page1.tif source=17083_005002_ASSN#page2.tif	

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the “INVENTOR(S)”) hereby assign, transfer, and set over to:

APEX SPECTRAL TECHNOLOGY, INC.

having the following address:

**10333 Richmond Road, Suite 440
Houston, Texas 77042**

(referred to herein as “COMPANY”), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

METHODS OF HYDROCARBON DETECTION USING SPECTRA DOMINANT FREQUENCY AND MEASURES OF ENERGY DECAY ON THE LOW SIDE AND HIGH SIDE OF SPECTRA DOMINANT FREQUENCY

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

<u>11 Oct 2011</u> Date	1 st Inventor Signature: <u><i>Robert W. Wiley</i></u> Print or Type Name: <u>Robert W. Wiley</u>
<u>Oct 11, 2011</u> Date	2 nd Inventor Signature: <u><i>Scott W. Peters</i></u> Print or Type Name: <u>Scott W. Peters</u>
<u>Oct 11, 2011</u> Date	3 rd Inventor Signature: <u><i>Peter H. Wilson</i></u> Print or Type Name: <u>Peter H. Wilson</u>
 Date	4 th Inventor Signature: Print or Type Name:

NOTARY PUBLIC

State of Texas
County of Harris

Before me personally appeared: Robert W. Wiley Scott W. Peters
1st Inventor 2nd Inventor
Peter H. Wilson
3rd Inventor 4th Inventor
5th Inventor 6th Inventor
7th Inventor 8th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 10/11/11 Martiele M Underwood 10/17/2014
Notary Public My commission expires

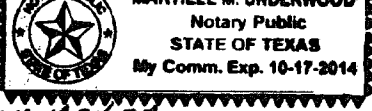
WITNESSES

10/11/11
Date

Signature of Witness: *Deborah Van Meter*
Print or Type Name: DEBORAH VAN METER

10-11-11
Date

Signature of Witness: *Jose A. Cardenas Jr.*
Print or Type Name: Jose A. Cardenas Jr.



When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

PCT/US2011/055888	U.S. Application Serial No.: 61/416,393	13/884,435
October 12, 2011	Filing Date: November 23, 2010	May 9, 2013