

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OLEKSII SEMENIUK	04/12/2016
ALLA REZNIK	04/26/2016
VLAD SUKHOVATKIN	04/29/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THUNDER BAY REGIONAL RESEARCH INSTITUTE
<b>Street Address:</b>	980 OLIVER ROAD
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<b>City:</b>	THUNDER BAY, ON
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	P7B 6V4
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15427247
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)739-9889
<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>	
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<b>Correspondent Name:</b>	DOWELL & DOWELL, P.C.
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<b>ATTORNEY DOCKET NUMBER:</b>	19861
<b>NAME OF SUBMITTER:</b>	RALPH A. DOWELL
<b>SIGNATURE:</b>	/RALPH A. DOWELL/
<b>DATE SIGNED:</b>	02/08/2017
<b>Total Attachments: 5</b>	
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## WORLDWIDE ASSIGNMENT

We, Oleksii SEMENIUK, Alla REZNIK and Vlad SUKHOVATKIN, whose full post office addresses are 103 Stardust Crescent, Apt. 12, Thunder Bay, Ontario, P7A 6G7 Canada; 129 Mickelson Drive, Shuniah, Ontario, P7A 6N3 Canada and 2043 Family Crescent, Mississauga, Ontario L4X 1G7, respectively, have invented AMORPHOUS LEAD OXIDE BASED ENERGY DETECTION DEVICES AND METHODS OF MANUFACTURE THEREOF, for which the U.S. provisional patent application was filed:

Filing Date: February 8, 2016

Serial No. 62/292,478

in consideration of Two Dollars (\$2.00) paid to us, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, WE by these presents confirm that WE have sold, transferred and assigned and do hereby sell, transfer and assign to THUNDER BAY REGIONAL RESEARCH INSTITUTE, ("Assignee"), having offices at, 980 Oliver Road, Rm 3011, Thunder Bay, Ontario, Canada P7B 6V4, its successors and assigns or nominees, all OUR rights, title and interest in the United States and all and all other countries of the world in and to OUR invention as fully described and claimed in the United States patent application, and WE sell, assign and transfer to THUNDER BAY REGIONAL RESEARCH INSTITUTE all OUR rights to apply for patent on said invention in the United States and all other countries of the world including any and all full utility applications, divisions, continuations, continuation-in-part, re-examinations, renewals, reissues and/or extensions thereof, any design applications originating therefrom, International PCT patent applications and all national phase applications and all OUR corresponding rights, title and interest in and to any patent which may issue therefor in the United States and all other countries of the world, to have and to hold for THUNDER BAY REGIONAL RESEARCH INSTITUTE own use and THUNDER BAY REGIONAL RESEARCH INSTITUTE successors and assigns as fully and entirely as the same might be enjoyed by Oleksii SEMENIUK, Alla REZNIK and Vlad SUKHOVATKIN if this sale had not been made.

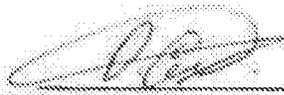
AND WE UNDERTAKE to sign such further documents to effect the aforesaid sale, assignment and transfer as may be required from time to time, without reimbursement, but at the expense of THUNDER BAY REGIONAL RESEARCH INSTITUTE.

AND WE authorize Hill & Schumacher, Patent and Trademark Agents, of 264 Avenue Road, Toronto, Ontario M4V 2G7, Canada to enter the particulars of the signature and particulars of the Declaration of Witness when missing.

This assignment can be signed in counterparts.

Signed at (city/town) Georgetown, ON

This 12 day of April, 2016.



**Oleksii SEMENIUK**

**DECLARATION OF WITNESS**

I, Rob WOODMAN, whose full post office address is 37 Mulholland Cres, Aurora, Ont, hereby declare that that I was personally present and did see Oleksii SEMENIUK, who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) Georgetown, ON

This 12 day of April, 2016.



**(Signature of Witness)**

Signed at (city/town) Thunder Bay

This 26 day of April, 2016.

  
\_\_\_\_\_  
Alla REZNIK

DECLARATION OF WITNESS

I, Aleksandr Bubon, whose full post office address is 1937 Isabelle St. F Thunder Bay, ON, CANADA hereby declare that that I was personally present and did see Alla REZNIK, who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARE at (city/town) Thunder Bay

This 26th day of April, 2016.

  
\_\_\_\_\_  
(Signature of Witness)

Signed at (city/town) Thunder Bay, ON

This 29 day of April, 2016.

  
\_\_\_\_\_  
Vlad SUKHOVATKIN

DECLARATION OF WITNESS

I, Daniel Vasilik, whose full post office address is 1874 Oliver Rd, Thunder Bay, P7E1P1, hereby declare that that I was personally present and did see Vlad SUKHOVATKIN, who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARE at (city/town) Thunder Bay

This 29 day of April, 2016.

  
\_\_\_\_\_  
(Signature of Witness)

ACCEPTANCE

The Assignee accepts this assignment.

Signed at (city/town) Thunder Bay

This 4th day of May, 2016.

THUNDER BAY REGIONAL RESEARCH INSTITUTE

Signature: 

Name: Peter Myllymaa

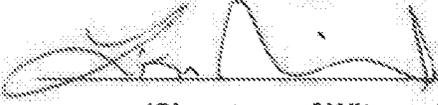
Position: Chief Operating Officer

DECLARATION OF WITNESS

I, Lisa Niccadi, whose full post office address is 211 Hampton St, Shuniah ON P40K5 hereby declare that I was personally present and did see Peter Myllymaa who is personally known to me to be the person that has duly signed and executed the above assignment on behalf of Assignee.

DECLARED at (city/town) Thunder Bay

This 4th day of May, 2016.



(Signature of Witness)