

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	1	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JACQUES DUBEAU	03/27/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	3833364 CANADA INC.	
<b>Street Address:</b>	32 AVENUE GATINEAU	
<b>City:</b>	GATINEAU	
<b>State/Country:</b>	CANADA	
<b>Postal Code:</b>	J8T 4J1	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14780193
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(416)361-1398	
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<b>ATTORNEY DOCKET NUMBER:</b>	21382-P43760US01	
<b>NAME OF SUBMITTER:</b>	KEVIN SHIPLEY	
<b>SIGNATURE:</b>	/kevinshipley/	
<b>DATE SIGNED:</b>	11/04/2015	
<b>Total Attachments: 5</b>		
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## **ASSIGNMENT**

**WHEREAS WE, Marat SEYDALIEV and Jacques DUBEAU** whose full post office addresses are 31 Glendale Avenue, Deep River, Ontario, K0J 1P0, Canada and 920 Cook road, Gatineau, Quebec, J9J 3P6, Canada, respectively, are the co-inventors of an invention entitled **RADIATION DETECTION APPARATUS**, for which the following patent applications (hereinafter "said Application(s)") have been filed:

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>
U.S.A.	61/806,074	March 28, 2013
PCT	PCT/CA2014/050319	March 28, 2014

**AND WHEREAS 3833364 Canada Inc. (dba DETEC)**, a company incorporated under the laws of Canada and having its head office at 32 avenue Gatineau, Gatineau, Quebec, Canada, J8T 4J1, is the employer of **Jacques DUBEAU** and was the employer of **Jacques DUBEAU** when the invention was invented and has acquired from **Jacques DUBEAU** his entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Applications, and all related applications thereon, including any and all, international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents;

**AND WHEREAS** in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, I, **Jacques DUBEAU**, by these presents confirm that, at least as of March 28, 2013, I have assigned, and do hereby sell, assign and transfer unto **3833364 Canada Inc.**, the full and exclusive right to the said invention in the United States of America, Canada and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said application and to any other patent applications and patents that claim priority from any of said patent applications, together with the right to claim the benefit of the right of priority

provided by the International Convention for the Protection of Industrial Property based on said patent applications;

**AND WHEREAS ATOMIC ENERGY OF CANADA LIMITED/ ÉNERGIE ATOMIQUE DU CANADA LIMITÉE**, a company incorporated under the laws of Canada having its head office at Chalk River Laboratories, in the city of Chalk River, Province of Ontario, Canada K0J 1J0 (herein after "the Assignee"), is the employer of **Marat SEYDALIEV** and was the employer of **Marat SEYDALIEV** when the invention was invented, has a contractual relationship with **3833364 Canada Inc.** and has acquired from **Marat SEYDALIEV and 3833364 Canada Inc.** their entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Application, and all related applications thereon, including any and all, international, national and regional phase applications based on the Applications, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents;

**NOW THEREFORE**, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, **Marat SEYDALIEV and 3833364 Canada Inc.**, by these presents confirm that, at least as of March 28, 2013, we have assigned, and do hereby sell, assign and transfer unto **ATOMIC ENERGY OF CANADA LIMITED/ ÉNERGIE ATOMIQUE DU CANADA LIMITÉE**, the full and exclusive right to the said invention in the United States of America, Canada and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said application and to any other patent applications and patents that claim priority from any of said patent applications, together with the right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

**Marat SEYDALIEV and Jacques DUBEAU** hereby state that they have reviewed and understand the contents of the Applications, including the claims. **Marat SEYDALIEV and Jacques DUBEAU** hereby confirm that the Application was made or was authorized to be made by themselves, and that they believe themselves to be the original inventor or joint inventor of a claimed invention in the Applications.

**Marat SEYDALIEV, Jacques DUBEAU and 3833364 Canada Inc.** agree that they will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, his successors, assigns and legal representatives or nominees.

**Marat SEYDALIEV, Jacques DUBEAU and 3833364 Canada Inc.** hereby authorize and request the Commissioner of Patents and Trademarks in the U.S. and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to said **ATOMIC ENERGY OF CANADA LIMITED/ ÉNERGIE ATOMIQUE DU CANADA LIMITÉE**, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

The undersigned hereby grant the firm of Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l. (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) 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 or other Patent Offices in the world for recordation of this document.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Marat SEYDALIEV, Jacques DUBEAU and 3833364 Canada Inc. hereby acknowledge that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

The Parties confirm their express wish that this Assignment be drawn up in the English language. *Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.*

1. Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2014.  
City

WITNESS

Marat SEYDALIEV

2. Signed at Gatineau this 27<sup>th</sup> day of March, 2014.  
City

WITNESS

Jacques DUBEAU

3. Signed at Gatineau this 27<sup>th</sup> day of March, 2014.  
City

WITNESS

FOR: 3833364 Canada Inc.

Name:

Title:

4. Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2014.  
City

WITNESS

FOR: ATOMIC ENERGY OF  
CANADA LIMITED/ ÉNERGIE  
ATOMIQUE DU CANADA LIMITÉE

Name:

Title:

**Marat SEYDALIEV, Jacques DUBEAU and 3833364 Canada Inc.** hereby acknowledge that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

The Parties confirm their express wish that this Assignment be drawn up in the English language. *Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.*

1. Signed at Deep River this 27 day of March, 2014.  
City

D. Cassell  
WITNESS

M. Seydaliev  
Marat SEYDALIEV

2. Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2014.  
City

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
Jacques DUBEAU

3. Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2014.  
City

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
FOR: 3833364 Canada Inc.

Name:

Title:

4. Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2014.  
City

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
FOR: ATOMIC ENERGY OF  
CANADA LIMITED/ ÉNERGIE  
ATOMIQUE DU CANADA LIMITÉE

Name:

Title: