

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>Pavel CHEBEN</td> <td>07/31/2013</td> </tr> <tr> <td>Przemek J. BOCK</td> <td>08/20/2013</td> </tr> <tr> <td>Jens H. SCHMID</td> <td>08/01/2013</td> </tr> <tr> <td>Siegfried JANZ</td> <td>07/31/2013</td> </tr> <tr> <td>Dan-Xia XU</td> <td>07/31/2013</td> </tr> <tr> <td>Adam DENSMORE</td> <td>08/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Pavel CHEBEN	07/31/2013	Przemek J. BOCK	08/20/2013	Jens H. SCHMID	08/01/2013	Siegfried JANZ	07/31/2013	Dan-Xia XU	07/31/2013	Adam DENSMORE	08/01/2013
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<table border="1"> <tr> <td>Name:</td> <td>National Research Council of Canada</td> </tr> <tr> <td>Street Address:</td> <td>1200 Montreal Rd.</td> </tr> <tr> <td>City:</td> <td>Ottawa</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>K1A 0R6</td> </tr> </table>		Name:	National Research Council of Canada	Street Address:	1200 Montreal Rd.	City:	Ottawa	State/Country:	CANADA	Postal Code:	K1A 0R6				
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CORRESPONDENCE DATA															
<p>Fax Number: 6139526082 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6139937362 Email: nrcippm.general@nrc-cnrc.gc.ca Correspondent Name: National Research Council of Canada Address Line 1: 1200 Montreal Rd. Address Line 2: Bldg. M-55 Room 29 Address Line 4: Ottawa, CANADA K1A 0R6</p>															
ATTORNEY DOCKET NUMBER:	12271-1														

NAME OF SUBMITTER:	Jason E. J. Davis
Signature:	/Jason E.J. Davis/
Date:	08/21/2013
Total Attachments: 7 source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page1.tif source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page2.tif source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page3.tif source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page4.tif source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page5.tif source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page6.tif source=Revised-ConfirmAssign-AllSigned-ReadytoFile_12271#page7.tif	

CONFIRMATORY ASSIGNMENT

WHEREAS, we,

Pavel CHEBEN a citizen of Canada, residing at 172 Stewart Street, Ottawa, Ontario K1N 6J9, Canada,

Przemek J. BOCK a citizen of Canada, residing at ~~6402-Bernice Court~~ Gloucester, Ontario ~~K1G 7E5~~, Canada, *P.B. 1628 Sunview Dr.*

KICSCS

Jens H. SCHMID a citizen of Canada, residing at 1960 Naskapi Drive, Ontario K1J 8K3, Canada,

Siegfried JANZ a citizen of Canada, residing at 2168 Blue Jay Crescent, Ottawa, Ontario K1J 6B1, Canada,

Dan-Xia XU citizen of Canada, residing at 622 Gaines Drive, Gloucester, Ontario K1J 7W6, Canada, and

Adam DENSMORE citizen of Canada, residing at 2383 Moore Pl, Victoria British Columbia V8Z 6V4, Canada

in the course of our work at and/or for the National Research Council of Canada have made an invention (hereinafter the "Invention") for which we have made application for Letters Patent entitled

"COMPOSITE SUBWAVELENGTH-STRUCTURED WAVEGUIDE IN OPTICAL SYSTEMS"

filed in the United States on **January 18, 2011** under U.S. Provisional Application No. **61/433,630**, filed in the United States on **January 13, 2012** under Application No. **13/349,957** and filed in Canada on **January 19, 2011** under Application No. **2,728,879** (hereinafter the "Application")

AND WHEREAS, **National Research Council of Canada**, a body corporate established under the *National Research Council Act* by the Parliament of Canada, and situated in the city of Ottawa, Province of Ontario, Canada, is our employer and/or maintains facilities or equipment that we used in making the Invention, and is the owner of our rights in the Invention by action of law, namely s. 3 of *The Public Servants Inventions Act* of Canada, or by agreement;

NOW, THEREFORE, in consideration of having been provided with an opportunity to participate in scientific research at the National Research Council of Canada and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **Pavel CHEBEN, Przemek J. BOCK, Jens H. SCHMID, Siegfried JANZ, Dan-Xia XU** and **Adam DENSMORE** hereby confirm that we did transfer to the National Research Council of Canada all of our right, title and interest in and to the Invention in all countries of the world and in and to the Application and all subsequent patent applications based thereon, including any regular patent applications that claim priority therefrom, and any and all continuations, continuations-in-part, divisions and reissues of any of the foregoing, together with the the right to claim priority from the Application under the provisions of any international agreements and national laws including the International Convention for the Protection of Industrial Property,

and we hereby authorize the Commissioner of Patents and Trademarks, and any official of any country authorized to issue patents, to issue any Letters Patent for the Invention to National Research Council of Canada, to the extent that the same would have been issued to us in the event that ownership rested with us as inventors.

This Confirmatory Assignment is effective as of **January 18, 2011**.


Executed on 31 July 2013


Pavel CHEBEN

Declaration by Witness

I, CRAIG STOREY, whose full post office address is
45 REDFORD CRES, OTTAWA, ON K1K 0E6
say:

That I was personally present and did hear and see, **Pavel CHEBEN**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.


(signature of witness)

Executed on _____

Przemek J. BOCK

Declaration by Witness

I, _____, whose full post office address is

say:

That I was personally present and did hear and see, **Przemek J. BOCK**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

(signature of witness)

Executed on _____

Pavel CHEBEN

Declaration by Witness

I, _____, whose full post office address is

say:

That I was personally present and did hear and see, **Pavel CHEBEN**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

(signature of witness)

Executed on August 20, 2013 at
Ottawa, ONT.

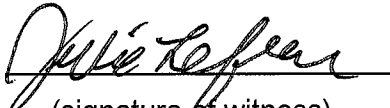

Przemek J. BOCK

Declaration by Witness

I, Julie Lefebvre, whose full post office address is
1200 montreal Rd, Ottawa ONT.

say:

That I was personally present and did hear and see, **Przemek J. BOCK**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.


(signature of witness)

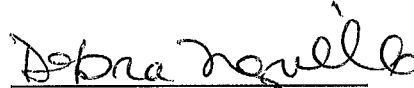
Executed on Aug 11 2013


Jens H. SCHMID

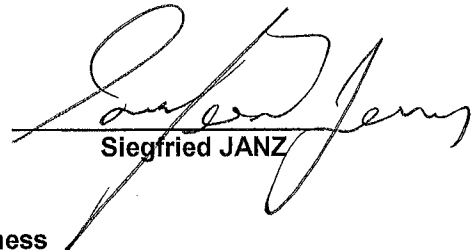
Declaration by Witness

I, Debra Mayville, whose full post office address is
2578 ALANIS POT, OTTAWA, ONT.
say:

That I was personally present and did hear and see, **Jens H. SCHMID**, who
is personally known to me duly sign the above Confirmatory Assignment and confirm
having read and understood all that it contains.


(signature of witness)

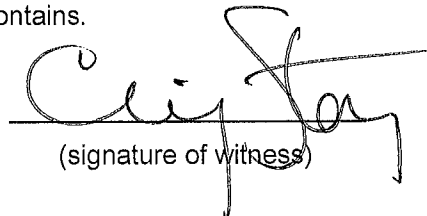
Executed on JULY 31, 2013


Siegfried JANZ

Declaration by Witness

I, CRAIG STOREY, whose full post office address is
45 BEDFORD CRES., OTTAWA, ON, K1K0E6
say:

That I was personally present and did hear and see, **Siegfried JANZ**, who is
personally known to me duly sign the above Confirmatory Assignment and confirm
having read and understood all that it contains.


(signature of witness)

Executed on July 31, 2013

Danxia XU
Dan-Xia XU

Declaration by Witness

I, LI LI, whose full post office address is
1200 Montreal Rd. Ottawa, On.
say:

That I was personally present and did hear and see, **Dan-Xia XU**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

Li Li
(signature of witness)

Executed on _____

Adam DENSMORE

Declaration by Witness

I, _____, whose full post office address is

say:

That I was personally present and did hear and see, **Adam DENSMORE**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

(signature of witness)

Executed on _____

Dan-Xia XU

Declaration by Witness

I, _____, whose full post office address is

say:

That I was personally present and did hear and see, **Dan-Xia XU**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

(signature of witness)

Executed on Aug 1 2013

Adam DENSMORE
Adam DENSMORE

Declaration by Witness

I, SAEID TAHERIAN, whose full post office address is
210-27 Songhees Rd. Victoria, V8A 7M6

say:

That I was personally present and did hear and see, **Adam DENSMORE**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

S. Taherian
(signature of witness)