

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>Benoit SIMARD</td> <td>08/21/2009</td> </tr> <tr> <td>Jingwen GUAN</td> <td>08/17/2009</td> </tr> </tbody> </table>		Name	Execution Date	Benoit SIMARD	08/21/2009	Jingwen GUAN	08/17/2009						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>National Research Council of Canada</td> </tr> <tr> <td>Street Address:</td> <td>1200 Montreal Road</td> </tr> <tr> <td>Internal Address:</td> <td>Bldg. M-58, Room EG-12</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 Road	Internal Address:	Bldg. M-58, Room EG-12	City:	Ottawa	State/Country:	CANADA	Postal Code:	K1A 0R6
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 4168657048 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 4168657000 Email: keith.bird@mcmillan.ca Correspondent Name: McMillan LLP Address Line 1: BROOKFIELD PLACE, Suite 4400 Address Line 2: 181 BAY STREET Address Line 4: TORONTO, CANADA M5J 2T3</p>													
ATTORNEY DOCKET NUMBER:	80564-215194												
NAME OF SUBMITTER:	Keith Bird												
Signature:	/Keith Bird/												

Date:

05/16/2013

Total Attachments: 3

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CONFIRMATORY ASSIGNMENT

Whereas, We, **SIMARD, Benoit and GUAN, Jingwen** citizens of Canada and residing at **613 Arc-en-ciel Street, Orleans, Ontario, K4A 3H9 Canada and 21 James Street, Apt. 306, Ottawa, Ontario, K2P 0T5 Canada** respectively, in the course of our work at and/or for the National Research Council of Canada have made an invention for which we have made application for Letters Patent; and

Whereas **National Research Council of Canada**, a body corporate 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 we used in making this invention, and is the owner of our rights in this invention by action of law, namely s. 3 of the *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 is hereby acknowledged, we, **SIMARD, Benoit and GUAN, Jingwen**, did transfer to the National Research Council of Canada, and hereby confirm said transfer, the legal ownership of our full and exclusive right, for the territory of Canada and the United States of America and all other countries, including the right to claim priority, the right to file foreign applications under the provisions of the International Convention and national laws, the right to file any divisional and continuation applications and our full and exclusive right in and to said divisional and continuation applications, in and to the said invention as described and claimed in the application for patent entitled

“NUCLEOPHILIC SUBSTITUTION OF CARBON NANOTUBES”

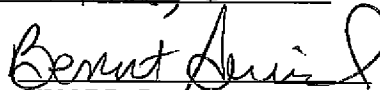
International Patent Application **PCT/CA2008/000388** filed on **February 28, 2008** in the Patent Cooperation Treaty Receiving Office claiming priority to United States provisional application 60/903,838 filed February 28, 2007 therefor; and we hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent, as far as our rights are concerned, to National Research Council of Canada, as the assignee, for the sole behoof of said National Research Council of Canada, and its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us in the event that ownership rested

with us, the inventors. In addition, we confirm that the National Research Council of Canada has full rights to abandon the invention and any related patents or patent applications or any aspect thereof in any and all jurisdictions at its sole discretion and without providing compensation to us.

The inventors signing this document acknowledge that, except as explicitly noted herein, their entire inventive contribution made toward this invention was completed in the course of their work with and/or for the National Research Council of Canada and no other person or organization has any claim to their rights in the invention or any aspect thereof and the inventors have not granted or purported to grant rights in the invention to any other party or organization at any time.

This document has been read and understood prior to signature. Receipt of sufficient opportunity to seek clarification of any concerns is acknowledged.


Executed this 21st day of August, 2009 at Ottawa, ON.


SIMARD, Benoit

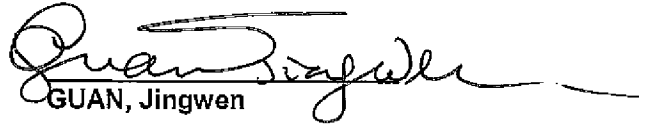
Declaration by Witness

I, ELIZABETH WHITE, whose full post office address is 544 Piccadilly Ave Ottawa, say:

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


(signature of witness)

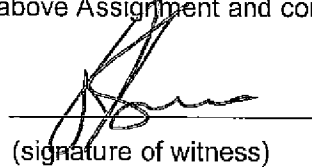
Executed this 17 day of August, 2009 at Ottawa.


GUAN, Jingwen

Declaration by Witness

I, Olson Bourne, whose full post office address is
631 Apollo Way Ottawa
100 Sussex Drive say:

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


(signature of witness)