

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>Michael S. Strano</td> <td>05/24/2012</td> </tr> <tr> <td>Won J. Choi</td> <td>06/26/2012</td> </tr> <tr> <td>Joel T. Abrahamson</td> <td>05/24/2012</td> </tr> <tr> <td>Jae-Hee Han</td> <td>06/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael S. Strano	05/24/2012	Won J. Choi	06/26/2012	Joel T. Abrahamson	05/24/2012	Jae-Hee Han	06/01/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Massachusetts Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
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CORRESPONDENCE DATA											
<p>Fax Number: (617)310-9866 Phone: 617.439.2000 Email: docket@nutter.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: NUTTER MCCLENNEN & FISH LLP Address Line 1: SEAPORT WEST Address Line 2: 155 SEAPORT BOULEVARD Address Line 4: BOSTON, MASSACHUSETTS 02210-2604</p>											
ATTORNEY DOCKET NUMBER:	101328-340										
NAME OF SUBMITTER:	Reza Mollaaghababa										

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Total Attachments: 7

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Michael S. Strano; Won J. Choi; Joel T. Abrahamson; and Jae-Hee Han (hereinafter referred to as Assignors), residing at 4 Paul Revere Street, Lexington, Massachusetts 02421; 232 No. Pacific Street, Cambridge, Massachusetts 02139; 7 Portsmouth Street, Cambridge, Massachusetts 02141; and 201-401 Maewhamaeul-Jugong APT Yatap-Dong Bundang-Gu, Seongnam, Republic of Korea, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in NANOSCALE THERMOELECTRIC WAVE GENERATORS, set forth in a Patent application for Letters Patent of the United States, already filed on April 23, 2012 as U.S. Application No. 13/453,780; and

WHEREAS, Massachusetts Institute of Technology, a College organized under and pursuant to the laws of Massachusetts having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 recordation of this document:

NUTTER MCCLENNEN & FISH LLP

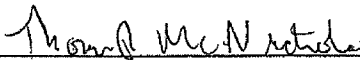
All practitioners at Customer Number 21125

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Inventor Signature: 
Michael S. Strano

Date: 5/24/12

Address: 4 Paul Revere Street, Lexington, Massachusetts 02421

Witness Signature: 

Date: 5/24/12

Print Witness Name: Thomas P. McNicholas

Address: MIT, Dept Chem Engr, 66-565,
CAMB, MA 02139

Witness Signature: 

Date: 5/24/12

Print Witness Name: ROMANOW

Address: MIT, Chem Engr, 66-570
CAMB MA 02139

Inventor Signature: _____

Wen J. Choi

Date: 06/26/2012

Address: 232 No. Pacific Street, Cambridge, Massachusetts 02139

Witness Signature: _____

Date: _____

Print Witness Name: _____

Address: _____

Witness Signature: _____

Date: _____

Print Witness Name: _____

Address: _____

Inventor Signature: Joel T. Abrahamson Date: 5/24/12
Joel T. Abrahamson

Address: 7 Portsmouth Street, Cambridge, Massachusetts 02141

Witness Signature: A Hilmer Date: 5/24/12
Print Witness Name: Andrew J Hilmer
Address: 79 5th St Apt 2, Cambridge, MA 02141

Witness Signature: E B Date: 5/24/12
Print Witness Name: Ardenis A. Boghossian
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Inventor Signature: _____

Jae-Hee Han

Date: _____

6/1/2012

Address: 201-401 Macwhamaeul-Jugong APT Yatap-Dong Bundang-Gu,
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Witness Signature: _____

Print Witness Name: IL-MI KTM

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Date: _____

6/1/2012

Witness Signature: _____

Print Witness Name: Lee Man Ho

Address: 6686 Sinheung 1-dong Sujeong-gu, Seongnam, Republic of Korea

Date: _____

6/1/2012

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