

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>Francesco STELLACCI</td> <td>11/15/2010</td> </tr> <tr> <td>Robert J BARSOTTI Jr.</td> <td>11/15/2010</td> </tr> <tr> <td>Zhang HUIJUAN</td> <td>10/19/2010</td> </tr> <tr> <td>John THONG</td> <td>10/19/2010</td> </tr> </tbody> </table>		Name	Execution Date	Francesco STELLACCI	11/15/2010	Robert J BARSOTTI Jr.	11/15/2010	Zhang HUIJUAN	10/19/2010	John THONG	10/19/2010
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Robert J BARSOTTI Jr.	11/15/2010										
Zhang HUIJUAN	10/19/2010										
John THONG	10/19/2010										
RECEIVING PARTY DATA											
Name:	Massachusetts Institute of Technology										
Street Address:	77 Massachusetts Ave.										
City:	Cambridge										
State/Country:	MASSACHUSETTS										
Postal Code:	02139										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12864172</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12864172						
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Application Number:	12864172										
CORRESPONDENCE DATA											
Fax Number:	(646)878-0801										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	P-70731-US										
NAME OF SUBMITTER:	Leah Herszberg										
Total Attachments: 10											

CH \$40.00 12864172

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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the Receipt of which is hereby acknowledged, I the undersigned, STELLACCI, Francesco residing at , 72 Line Street, Apt#2, Somerville, MA 02143; BARSOTTI, J Robert Jr. residing at 102-122 Church Street, Apt 408, Philadelphia, PA 19106, ; HUIJUAN, Zhang residing at Blk 13 #06-44, GSA, 39 Prince George's Park,, Singapore 118431 and THONG, John residing at, 117 Greenwood Ave, Singapore 287036.

Hereby sell, assign and transfer to Massachusetts Institute of Technology, located at 77 Massachusetts Ave., Cambridge, MA 02139, Customer No:556961 its successors, assigns and legal representatives (hereinafter, the "Assignee"), the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in the application for United States Application No. 12/864,172, filed July 22, 2010, which is a National Phase Application of PCT International Application No. **PCT/US09/31754**, PCT International filing date January 23, 2009 and is entitled:

INSULATED NANOGAP DEVICES AND METHODS OF USE THEREOF

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this

assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

FULL NAME OF INVENTOR: STELLACCI, Francesco	FULL NAME OF WITNESS: <i>Miao Yu</i>
SIGNATURE OF INVENTOR: <i>Francesco Stellacci</i>	SIGNATURE OF WITNESS: <i>Miao Yu</i> 于淼
DATE: <u>15 / 11 / 2016</u> (day / month / year)	ADDRESS OF WITNESS: <i>Studio 33, Av. du Tir-Fédéral 92, 1024 Ecublens</i>

FULL NAME OF INVENTOR: BARSOTTI, J Robert Jr.	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: HUIJUAN, Zhang	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: THONG, John	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

Docket No.: P-70731-US**ASSIGNMENT**

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FULL NAME OF INVENTOR: STELLACCI, Francesco	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

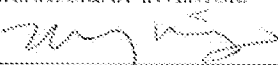
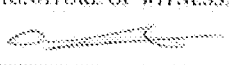
FULL NAME OF INVENTOR: BARSOTTI, J Robert Jr.	FULL NAME OF WITNESS: <i>Christina Kaba</i>
SIGNATURE OF INVENTOR: <i>Robert J. Barsotti, Jr.</i>	SIGNATURE OF WITNESS: <i>Christina Kaba</i>
DATE: <u>15/11/2010</u> (day / month / year)	ADDRESS OF WITNESS: 636 Shadeland Ave Drexel Hill PA 19026

Docket No.: P-70731-US

FULL NAME OF INVENTOR: HUIJUAN, Zhang	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: THONG, John	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

Docket No.: P-70731-US

FULL NAME OF INVENTOR: HUIJUAN, Zhang	FULL NAME OF WITNESS: CAE HONG
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: 
DATE: <u>19/10/2010</u> (day / month / year)	ADDRESS OF WITNESS: 11 Science Park Road Singapore Science Park II Singapore 117603

FULL NAME OF INVENTOR: THONG, John	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

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DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: HUIJUAN, Zhang	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: THONG, John	FULL NAME OF WITNESS: <i>Natesaperumal Hemamalin</i>
SIGNATURE OF INVENTOR: <i>John Thong</i>	SIGNATURE OF WITNESS: <i>[Signature]</i>
DATE: <u>19 / 10 / 2010</u> (day / month / year)	ADDRESS OF WITNESS: <i>BIK 442 # 08-1215 Ave-10 Ang NOKIO Singapore 560442.</i>