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1. Name of conveying party(ies):  
**Patrick Roland Lucien Malenfant  
Julin Wan  
Mohan Manoharan**

2. Name and address of receiving party(ies):

Name: **General Electric Company**

Internal Address:

Street Address: **1 River Road**

City: **Schenectady** State: **NY** ZIP: **12345**

Additional name(s) & address(es) attached?  Yes  No

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: **12-19-2005**

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **12-19-2005**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Cantor Colburn LLP**

Internal Address:

01/04/2006 ECODPER 00000038 070868 11316091

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Street Address: **55 Griffin Road South**

City: **Bloomfield** State: **CT** ZIP: **06002**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**Dean Y. Shahriari, Reg. No. 56,783**

**December 21, 2005**

Name of Person Signing

Signature

**5**

Date

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**PATENT**  
**REEL: 017408 FRAME: 0677**

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**ASSIGNMENT**

In accordance with my/our obligations under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between the General Electric Company, a New York Corporation, and my employer), and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

**Patrick Roland Lucien Malenfant**

of 17 Hendrick Hudson Way, Clifton Park, NY 12065

**Julin Wan**

of 2150 Rosa Rd., Apt. B-1-A, Schenectady, NY  
12309

**Mohan Manoharan**

of 213 Mohawk Trail, Niskayuna, NY 12309

hereby sell and assign to **General Electric Company, a New York Corporation**, (hereinafter referred to as Assignee) having an address at 1 River Road, Schenectady, New York 12345, USA, its successors and assigns my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled:

**NANOSCALE CERAMIC COMPOSITES AND METHODS OF MAKING**

executed concurrently herewith,

filed on \_\_\_\_\_ having Serial Number \_\_\_\_\_

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, I/we will communicate to said Assignee or its representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

INVENTOR 1

Signature: Patrick Roland Lucien Malenfant Date: 12-19-05  
Patrick Roland Lucien Malenfant

Witnessed by: [Signature] Date: 12-19-05  
Signature  
JUDITH STEIN  
Printed Name of Witness

Witnessed by: [Signature] Date: 12-19-05  
Signature  
Fazila Seter  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Patrick Roland Lucien Malenfant Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Patrick Roland Lucien Malenfant**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 2

Signature: [Signature]  
Julin Wan

Date: 12/19/2005

Witnessed by: [Signature]  
Signature

Date: 12/19/2005

William P. Minnera  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/19/2005

MILIVOJ BRUN  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Julin Wan Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Julin Wan, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal \_\_\_\_\_  
(Notary Public)

INVENTOR 3

Signature: Mohan Manoharan  
Mohan Manoharan

Date: 12/19/2005

Witnessed by: [Signature]  
Signature

Date: 12/19/2005

Milivoj Brun  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/19/2005

Timothy J. Yosnick  
Printed Name of Witness

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\_\_\_\_\_  
Mohan Manoharan Date: \_\_\_\_\_

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ss.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Mohan Manoharan, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal \_\_\_\_\_  
(Notary Public)