

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
<b>CONVEYING PARTY DATA</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 70%; padding: 5px;">Name</th> <th style="width: 30%; padding: 5px;">Execution Date</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">J. Eric Tkaczyk</td><td style="padding: 5px;">04/05/2006</td></tr> <tr><td style="padding: 5px;">William Macomber Leue</td><td style="padding: 5px;">04/06/2006</td></tr> <tr><td style="padding: 5px;">Walter Irving Garms</td><td style="padding: 5px;">04/03/2006</td></tr> <tr><td style="padding: 5px;">Joseph Bendahan</td><td style="padding: 5px;">04/20/2006</td></tr> <tr><td style="padding: 5px;">Deborah Walter</td><td style="padding: 5px;">04/10/2006</td></tr> <tr><td style="padding: 5px;">Sussan Pourjavid-Granfors</td><td style="padding: 5px;">04/03/2006</td></tr> <tr><td style="padding: 5px;">Xiaoye Wu</td><td style="padding: 5px;">04/05/2006</td></tr> <tr><td style="padding: 5px;">Peter Michael Edic</td><td style="padding: 5px;">04/05/2006</td></tr> <tr><td style="padding: 5px;">Pierfrancesco Landolfi</td><td style="padding: 5px;">04/20/2006</td></tr> </tbody> </table>		Name	Execution Date	J. Eric Tkaczyk	04/05/2006	William Macomber Leue	04/06/2006	Walter Irving Garms	04/03/2006	Joseph Bendahan	04/20/2006	Deborah Walter	04/10/2006	Sussan Pourjavid-Granfors	04/03/2006	Xiaoye Wu	04/05/2006	Peter Michael Edic	04/05/2006	Pierfrancesco Landolfi	04/20/2006
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<b>RECEIVING PARTY DATA</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr><td style="width: 20%; padding: 5px;">Name:</td><td style="padding: 5px;">General Electric Company</td></tr> <tr><td style="padding: 5px;">Street Address:</td><td style="padding: 5px;">1 River Road</td></tr> <tr><td style="padding: 5px;">City:</td><td style="padding: 5px;">Schenectady</td></tr> <tr><td style="padding: 5px;">State/Country:</td><td style="padding: 5px;">NEW YORK</td></tr> <tr><td style="padding: 5px;">Postal Code:</td><td style="padding: 5px;">12345</td></tr> </table>		Name:	General Electric Company	Street Address:	1 River Road	City:	Schenectady	State/Country:	NEW YORK	Postal Code:	12345										
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<b>PROPERTY NUMBERS Total: 1</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%; padding: 5px;">Property Type</th> <th style="padding: 5px;">Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Application Number:</td> <td style="padding: 5px;">11278287</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11278287																
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<b>CORRESPONDENCE DATA</b> <p style="margin-top: 10px;">Fax Number: (518)387-7751  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 5183874530        Email: Powellw@research.ge.com</p> <p>Correspondent Name: William E. Powell        Address Line 1: One Research Circle        Address Line 4: Niskayuna, NEW YORK 12309</p>																					

CH \$40.00 11278287

ATTORNEY DOCKET NUMBER:

185730CT (8082.030)

NAME OF SUBMITTER:

Timothy J. Ziolkowski

Total Attachments: 11

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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,

J. Eric Tkaczyk	of	154 Barton Hill Rd. Delanson, NY 12053
William Macomber Leue	of	87 Brookline Ave. Albany, NY 12203
Walter Irving Garms	of	81 Hillcrest Road Berkeley, CA 94705
Joseph Bendahan	of	1421 Kintyre Way San Jose, CA 95129
Deborah Walter	of	22 Edgewood Drive Burnt Hills, NY 12027
Sussan Pourjavid-Granfors	of	1053 Lily Ave. Sunnyvale, CA 94086
Xiaoye Wu	of	4 Partridge Glen Rexford, NY 12148
Peter Michael Edic	of	55 Manning Boulevard Albany, NY 12203
Pierfrancesco Landolfi	of	5548 Abington Dr. Newark, CA 94560

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:

**IMAGE-BASED MATERIAL DECOMPOSITION**

☒ executed concurrently herewith,

☒ filed on March 31, 2006 having Serial Number 11/278,287

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: J. Eric Tkaczyk  
**J. Eric Tkaczyk**

Date: 4/5/06

Witnessed by: [Signature]  
 Signature  
WEN LI  
 Printed Name of Witness

Date: 04/05/06

Witnessed by: [Signature]  
 Signature  
Richard A Thompson  
 Printed Name of Witness

Date: 4/05/06

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

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\_\_\_\_\_  
**J. Eric Tkaczyk** Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
 \_\_\_\_\_ ss.  
 COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **J. Eric Tkaczyk**, 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

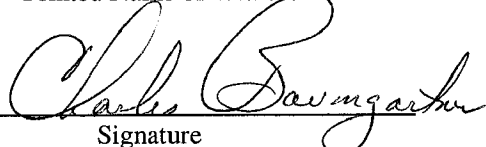
Signature:   
**William Macomber Leue**

Date: April 6, 2006

Witnessed by:   
 Signature

Date: April 6, 2006

ROGERIO RODRIGUES  
 Printed Name of Witness

Witnessed by:   
 Signature

Date: April 6, 2006

Charles Baumgartner  
 Printed Name of Witness

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\_\_\_\_\_  
 William Macomber Leue Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_ ss.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **William Macomber Leue**, 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: Walter Irving Garms  
Walter Irving GarmsDate: 3 - APRIL - 2004Witnessed by: Matthew Merzbacher  
Signature  
Matthew Merzbacher  
Printed Name of WitnessDate: 3/4/06Witnessed by: Ronald A. Gatten  
Signature  
RONALD A. GATTEN  
Printed Name of WitnessDate: April 3, 2004

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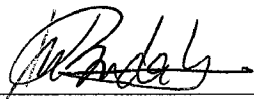
\_\_\_\_\_  
Walter Irving Garms Date: \_\_\_\_\_STATE OF \_\_\_\_\_  
SS.  
COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Walter Irving Garms**, 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)

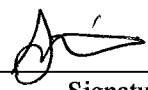
INVENTOR 4

Signature:   
**Joseph Bendahan**

Date: 4/20/06

Witnessed by:   
 Signature  
Todd Gable  
 Printed Name of Witness

Date: 4/20/06

Witnessed by:   
 Signature  
Dimitrios Ioannou  
 Printed Name of Witness

Date: 04/20/06

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\_\_\_\_\_  
**Joseph Bendahan** Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
 \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_  
 \_\_\_\_\_  
 SS.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Joseph Bendahan**, 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 5

Signature: Deborah Walter  
**Deborah Walter**

Date: 4/10/2006

Witnessed by: [Signature]  
 Signature

Date: 4/10/2006

David A Langan  
 Printed Name of Witness

Witnessed by: \_\_\_\_\_  
 Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
 Printed Name of Witness

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

\_\_\_\_\_  
**Deborah Walter** Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
 SS.  
 COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Deborah Walter**, 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 6

Signature: S. POURJAVID  
**Sussan Pourjavid-Granfors**

Date: April-3-06

Witnessed by: [Signature]  
 Signature

Date: 4/3/06

Steven L. Hills  
 Printed Name of Witness

Witnessed by: [Signature]  
 Signature

Date: 4/3/06

Francois Gaultier  
 Printed Name of Witness

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\_\_\_\_\_  
**Sussan Pourjavid-Granfors** Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Sussan Pourjavid-Granfors**, 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 7

Signature: \_\_\_\_\_

**Xiaoye Wu**

Date: \_\_\_\_\_

4/5/06

Witnessed by: \_\_\_\_\_

Signature

Date: \_\_\_\_\_

04/05/06

WEN LI  
Printed Name of Witness

Witnessed by: \_\_\_\_\_

Signature

Date: \_\_\_\_\_

4/5/06

Richard A Thompson  
Printed Name of Witness

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\_\_\_\_\_  
**Xiaoye Wu**

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Xiaoye Wu**, 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 8

Signature:   
**Peter Michael Edic**

Date: 4/5/06

Witnessed by:   
 Signature  
YANFENG PU  
 Printed Name of Witness

Date: 4/5/06

Witnessed by:   
 Signature  
Michael A. Ramsey  
 Printed Name of Witness

Date: 4/5/06

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\_\_\_\_\_  
**Peter Michael Edic** Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
 \_\_\_\_\_ SS.  
 COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Peter Michael Edic**, 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.

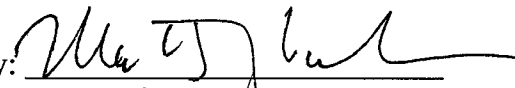
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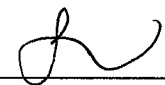
INVENTOR 9

Signature:   
**Pierfrancesco Landolfi**

Date: 04 / 20 / 2006

Witnessed by:   
 Signature  
Matthew Merzbacher  
 Printed Name of Witness

Date: 4 / 20 / 2006

Witnessed by:   
 Signature  
Stephen Girouard  
 Printed Name of Witness

Date: 4 / 20 / 2006

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\_\_\_\_\_  
**Pierfrancesco Landolfi** Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Pierfrancesco Landolfi**, 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)