

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>David Mulford Shaddock</td> <td>07/31/2012</td> </tr> <tr> <td>Emad Andarawis Andarawis</td> <td>07/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	David Mulford Shaddock	07/31/2012	Emad Andarawis Andarawis	07/31/2012
Name	Execution Date						
David Mulford Shaddock	07/31/2012						
Emad Andarawis Andarawis	07/31/2012						
RECEIVING PARTY DATA							
Name:	General Electric Company						
Street Address:	1 River Road						
City:	Schenectady						
State/Country:	NEW YORK						
Postal Code:	12345						
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>13563132</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13563132		
Property Type	Number						
Application Number:	13563132						
CORRESPONDENCE DATA							
Fax Number:	8663089939						
Phone:	518-387-7724						
Email:	ldocket@crd.ge.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	GENERAL ELECTRIC COMPANY GLOBAL RESEARCH						
Address Line 1:	ONE RESEARCH CIRCLE						
Address Line 2:	BLDG. K1-3A59						
Address Line 4:	NISKAYUNA, NEW YORK 12309						
ATTORNEY DOCKET NUMBER:	259488-1						
NAME OF SUBMITTER:	K. Brooke Coleman						
Total Attachments: 3 source=259488-1USTrueandOriginalCopyofAssignment31JUL2012#page1.tif source=259488-1USTrueandOriginalCopyofAssignment31JUL2012#page2.tif source=259488-1USTrueandOriginalCopyofAssignment31JUL2012#page3.tif							

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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,

**David Mulford Shaddock**

of **Troy, New York**

**Emad Andarawis Andarawis**

of **Ballston Lake, New York**

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:

**ELECTRONIC CIRCUIT BOARD, ASSEMBLY AND  
A RELATED METHOD THEREOF**

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: *David Mulford Shaddock*  
David Mulford Shaddock

Date: 7/31/12

Witnessed by: *[Signature]*  
Signature

Date: 7/31/12

HUA XIA  
Printed Name of Witness

Witnessed by: *[Signature]*  
Signature

Date: 7/31/12

AVINASH S. KASHYAP  
Printed Name of Witness

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

\_\_\_\_\_  
David Mulford Shaddock

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

STATE OF

85.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, 2012 before me personally came the above-named **David Mulford Shaddock**, 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: Emad Andarawis Andarawis  
Emad Andarawis Andarawis

Date: 7/31/2012

Witnessed by: CR Kamala  
Signature

Date: 7/31/2012

KAMALA C. RAGHAVAN  
Printed Name of Witness

Witnessed by: Erwurul Berkeev  
Signature

Date: 7/31/2012

ERWURUL BERKEEV  
Printed Name of Witness

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

\_\_\_\_\_  
Emad Andarawis Andarawis

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, 2012 before me personally came the above-named **Emad Andarawis Andarawis**, 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)