

## 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 Charles FREDA</td> <td>05/16/2013</td> </tr> <tr> <td>Francis Alexander REED</td> <td>05/16/2013</td> </tr> </tbody> </table> |                                     | Name          | Execution Date | Michael Charles FREDA | 05/16/2013 | Francis Alexander REED | 05/16/2013 |
| Name  | Execution Date                      |               |                |                       |            |                        |            |
| Michael Charles FREDA   | 05/16/2013                          |               |                |                       |            |                        |            |
| Francis Alexander REED  | 05/16/2013                          |               |                |                       |            |                        |            |
| RECEIVING PARTY DATA  |                                     |               |                |                       |            |                        |            |
| Name:   | GENERAL ELECTRIC COMPANY            |               |                |                       |            |                        |            |
| Street Address:   | One 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>13896408</td> </tr> </tbody> </table>   |                                     | Property Type | Number         | Application Number:   | 13896408   |                        |            |
| Property Type   | Number                              |               |                |                       |            |                        |            |
| Application Number:   | 13896408                            |               |                |                       |            |                        |            |
| CORRESPONDENCE DATA   |                                     |               |                |                       |            |                        |            |
| Fax Number:   | 7172375300                          |               |                |                       |            |                        |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                                     |               |                |                       |            |                        |            |
| Phone:  | 717-237-5455                        |               |                |                       |            |                        |            |
| Email:  | ksmith@mwn.com                      |               |                |                       |            |                        |            |
| Correspondent Name:   | Kerri J. Smith, Paralegal           |               |                |                       |            |                        |            |
| Address Line 1:   | 100 Pine Street                     |               |                |                       |            |                        |            |
| Address Line 2:   | P.O. Box 1166                       |               |                |                       |            |                        |            |
| Address Line 4:   | Harrisburg, PENNSYLVANIA 17108-1166 |               |                |                       |            |                        |            |
| ATTORNEY DOCKET NUMBER:   | 261978/22113-0141                   |               |                |                       |            |                        |            |
| NAME OF SUBMITTER:  | Kerri J. Smith                      |               |                |                       |            |                        |            |
| Signature:  | /Kerri J. Smith/                    |               |                |                       |            |                        |            |
| Date:   | 05/17/2013                          |               |                |                       |            |                        |            |

CH \$40.00 13896408

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3**

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COMBINED DECLARATION AND GLOBAL ASSIGNMENT  
FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

**ULTRASONIC DETECTION METHOD AND ULTRASONIC ANALYSIS METHOD**

- the specification of which is attached hereto OR  
 United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_, as amended on [date] (if applicable).  
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known.)

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) 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 General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

| Inventor First Name | Inventor Middle Name | Inventor Last Name |    | Residence Town | Residence State | Residence Country |
|---------------------|----------------------|--------------------|----|----------------|-----------------|-------------------|
| Michael             | Charles              | FREDA              | of | Warren         | NJ              | US                |
| Francis             | Alexander            | REED               | of | Duanesburg     | NY              | US                |

Docket No.: 261978/22113-0141

Customer No.: 13152

hereby sell and assign to:

|   |
|---|
| Name of Company: <b>GENERAL ELECTRIC COMPANY</b>                |
| Entity Type (optional): <i>New York corporation</i>             |
| Address: <i>One River Road, Schenectady, New York 12345 USA</i> |

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

| Country of Filing | Type of Filing | Application Number | Filing Date | Title |
|-------------------|----------------|--------------------|-------------|-------|
|                   |                |                    |             |       |
|                   |                |                    |             |       |
|                   |                |                    |             |       |

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)


and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

Docket No.: 261978/221113-0141

Customer No.: 13152

INVENTOR 1

Signature:   
Michael Charles FRED A

Date: May 16, 2013

Witnessed by:   
Signature

Date: 5/16/2013

Brian Reshe  
Printed Name of Witness

Witnessed by:   
Signature

Date: 5/16/2013

Carlos Galin  
Printed Name of Witness

INVENTOR 2

Signature:   
Francis Alexander REED

Date: 5/16/2013

Witnessed by:   
Signature

Date: 5/16/2013

DANIEL L. GROWETZ  
Printed Name of Witness

Witnessed by:   
Signature

Date: 5/16/2013

MOSHARRAF HOSSAIN  
Printed Name of Witness