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1. Name of conveying party(ies):

Bruce John Badding
Adam Rasheed
Anthony John Dean

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

General Electric Company
1 River Road
Schenectady, New York
12345113211 U.S. PTO
11/312409
122105Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: December 15, 2005; December 14, 2005;
December 21, 2005Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: December 14, 2005

A. Patent Application No.(s)
Unassigned

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC

WASHINGTON OFFICE

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CUSTOMER NUMBER

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.

Terrence J. Wikberg

Reg. No. 47,177

December 21, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 5

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DOCKET NUMBER: 151142-1

ASSIGNMENT

In accordance with 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 We acknowledge receipt, We,

Bruce John Baddingof **Ballston Lake, New York****Adam Rasheed**of **Glenville, New York****Anthony John Dean**of **Scotia, New York**

of

of

of

of

of

of

of

of

of

of

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:

PULSE DETONATION FIRING DETUNING AND FREQUENCY MODULATED FIRING☒ 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, 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.

*Page 1 of 4**Assignment v2.0, 09/05, MFG***PATENT**
REEL: 017396 FRAME: 0484

DOCKET NUMBER: 151142-1

INVENTOR 1

Signature: *Bruce John Badding*
Bruce John Badding

Date: 12-15-2005

Witnessed by: *R. A. Giddings*
Signature

Date: 12/15/2005

Robert A. Giddings
Printed Name of Witness

Witnessed by: *Karen J. Keevern*
Signature

Date: 12/15/2005

Karen J. Keevern
Printed Name of Witness

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

Bruce John Badding Date: _____

STATE OF New York

SS.

COUNTY OF Schenectady

This _____ day of _____, _____ before me personally came the above-named **Bruce John Badding**, 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)

DOCKET NUMBER: 151142-1

INVENTOR 2

Signature: Adam Rasheed
Adam RasheedDate: Dec. 14/05Witnessed by: Kathryn Garnaush
SignatureDate: 12/14/05KATHRYN GARNASH

Printed Name of Witness

Witnessed by: Thea C. Cunningham
SignatureDate: 12/14/05Thea C. Cunningham
Printed Name of Witness

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

Adam Rasheed

Date: _____

STATE OF New York

ss.

COUNTY OF Schenectady

This _____ day of _____, _____ before me personally came the above-named Adam Rasheed, 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)

DOCKET NUMBER: 151142-1

INVENTOR 3

Signature: *Anthony John Dean*

Anthony John Dean

Date: 12/21/05Witnessed by: *Jennifer Topinka*

Signature

Date: 12/21/05Jennifer Topinka

Printed Name of Witness

Witnessed by: *Andrew Shapiro*

Signature

Date: 12/21/05Andrew Shapiro

Printed Name of Witness

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

Anthony John Dean

Date: _____

STATE OF New York

ss.

COUNTY OF Schenectady

This _____ day of _____, _____ before me personally came the above-named **Anthony John Dean**, 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)