

08-09-1999



RE:



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101112142

Our Ref.: 24-NT-05835CIP (1585-233)

meo
8-2-99

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Sten O. Akerlund John F. Schardt Robert A. Rand Robert B. Elkins Roland O. Jackson Peter J. Savoia Anthony P. Reese Cary L. Kunz Russell M. Fawcett Russell E. Stachowski</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 6/3/99; 7/28/99; 7/26/99; 6/1/99; 6/28/99; 7/20/99; 7/7/99; 5/25/99</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>General Electric Company</u> Internal Address: _____ Street Address: <u>One River Road</u> _____ _____ City: <u>Schenectady</u> State/Country: <u>New York</u> Zip: <u>12345</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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: _____

<p>A. Patent Application No(s). (1) 09/285,676 (2) (3)</p>	<p>B. (1) (2) (3)</p>
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Additional numbers attached Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Wayne O. Traynham</u></p> <p>Internal Address: <u>Senior Intellectual Property Counsel</u> <u>GE Industrial Control Systems GE Electric Company</u> Street Address: <u>1635 Broadway</u> <u>P.O. Box 2204</u> _____ City: <u>Ft. Wayne</u> State: <u>IN</u> Zip: <u>46801-2204</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
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DO NOT USE THIS SPACE

9. Statements and signature.
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.

<p>Richard G. Besha Name of Person Signing Reg. No. 22,770</p>	<p><u>Richard Besha</u> Signature</p>	<p>August 2, 1999 Date</p>
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Total number of pages including original cover sheet, attachments, and document: [29]

ASSIGNMENT

WHEREAS, Sten O. Akerlund, Robert A. Rand, Roland O. Jackson, Anthony P. Reese, Russell M. Fawcett, John F. Schardt, Robert B. Elkins, Peter J. Savoia, Cary L. Kunz and Russell E. Stachowski, (hereinafter ASSIGNORS) of 4201 Greens Perry Court, Wilmington, North Carolina 28409; 5600 Surrey Downs Court, Wilmington, North Carolina 28403; 702 Hollingsworth Drive, Wilmington, North Carolina 28412; 2108 Boatswain Place, Wilmington, North Carolina 28405; 609 Hollingsworth Drive, Wilmington, North Carolina 28412; 6600 Pleasant Pines Ct., Wilmington, North Carolina 28403; 8812 Sawmill Creek Lane, Wilmington, North Carolina 28405; 1325 Lovington Lane, Wilmington, North Carolina 28409; 3204 Bougainvillea Way, Wilmington, North Carolina 28409; 60 Harvey Terrace, Fremont, California 94536, respectively, have invented a certain improvement in NUCLEAR FUEL BUNDLE HAVING DIFFERENT PEAK POWER LIMITS for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on April 5, 1999 and assigned Serial No. 09/285,676;

WHEREAS, General Electric Company (hereinafter ASSIGNEE), a corporation of the State of New York, having an office and place of business at 1 River Road, Schenectady, New York, 12345 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and

transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said invention in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

And, ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Agreeing, further, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

Date:

July 28, 1999


STEN O. AKERLUND

State of NORTH CAROLINA,
City of WILMINGTON)
:

This 28 day of JULY, 1999, before me personally came the above named STEN O. AKERLUND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County

James E. McGinness
Notary Public

My Commission Expires 1/23/2001

Date: July 26, 1999

Robert A. Rand
ROBERT A. RAND

State of North Carolina)
City of Wilmington)
:

This 26 day of JULY, 1999, before me personally came the above named ROBERT A. RAND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County

James E. McGinness
Notary Public

My Commission Expires 1/23/2001

Date: July 26, 1999

ROLAND O. JACKSON
ROLAND O. JACKSON

State of North Carolina)
City of Wilmington)

This 26 day of July, 1999, before me personally came the above named ROLAND O. JACKSON, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County
My Commission Expires 1/23/2001

James E. McGinness
Notary Public

Date: June 1, 1999

Anthony P. Reese
ANTHONY P. REESE

State of North Carolina)
City of Wilmington)

This 1 day of June, 1999, before me personally came the above named ANTHONY P. REESE, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County
My Commission Expires 1/23/2001

James E. McGinness
Notary Public

My Commission Expires _____

Date: June 28, 1999

Russell M. Fawcett
RUSSELL M. FAWCETT

State of North Carolina)
 :
City of Wilmington)

This 28 day of June, 1999, before me personally came the above named RUSSELL M. FAWCETT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County
My Commission Expires 1/23/2001

James E. McGinness
Notary Public

My Commission Expires _____

Date: 7/26/99

John F. Schardt
JOHN F. SCHARDT

State of North Carolina)
 :
City of Wilmington)

This 26 day of JULY, 1999, before me personally came the above named JOHN F. SCHARDT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County
My Commission Expires 1/23/2001

James E. McGinness
Notary Public

My Commission Expires _____

Date: _____

CARY L. KUNZ

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named CARY L. KUNZ, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

RUSSELL E. STACHOWSKI

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named RUSSELL L. STACHOWSKI, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

ASSIGNMENT

WHEREAS, Sten O. Akerlund, Robert A. Rand, Roland O. Jackson, Anthony P. Reese, Russell M. Fawcett, John F. Schardt, Robert B. Elkins, Peter J. Savoia, Cary L. Kunz and Russell E. Stachowski, (hereinafter ASSIGNORS) of 4201 Greens Perry Court, Wilmington, North Carolina 28409; 5600 Surrey Downs Court, Wilmington, North Carolina 28403; 702 Hollingsworth Drive, Wilmington, North Carolina 28412; 2108 Boatswain Place, Wilmington, North Carolina 28405; 609 Hollingsworth Drive, Wilmington, North Carolina 28412; 6600 Pleasant Pines Ct., Wilmington, North Carolina 28403; 8812 Sawmill Creek Lane, Wilmington, North Carolina 28405; 1325 Lovington Lane, Wilmington, North Carolina 28409; 3204 Bougainvillea Way, Wilmington, North Carolina 28409; 60 Harvey Terrace, Fremont, California 94536, respectively, have invented a certain improvement in NUCLEAR FUEL BUNDLE HAVING DIFFERENT PEAK POWER LIMITS for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on April 5, 1999 and assigned Serial No. 09/285,676;

WHEREAS, General Electric Company (hereinafter ASSIGNEE), a corporation of the State of New York, having an office and place of business at 1 River Road, Schenectady, New York, 12345 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and

transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said invention in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

And, ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Agreeing, further, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

Date: _____

STEN O. AKERLUND

State of)
:
City of)

This _____ day of _____, 1999, before me personally came the above named STEN O. AKERLUND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____
ROBERT A. RAND

State of)
:
City of)

This _____ day of _____, 1999, before me personally came the above named ROBERT A. RAND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

ROLAND O. JACKSON

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named ROLAND O. JACKSON, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

ANTHONY P. REESE

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named ANTHONY P. REESE, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

RUSSELL M. FAWCETT

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named RUSSELL M. FAWCETT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

JOHN F. SCHARDT

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named JOHN F. SCHARDT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: July 7, 1999

Robert B. Elkins
ROBERT B. ELKINS

State of North Carolina)
City of Wilmington)

This 7th day of July, 1999, before me personally came the above named ROBERT B. ELKINS, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Leigh Dabour
Notary Public

My Commission Expires Feb. 1, 2001

Date: _____

PETER J. SAVOIA

State of _____)
City of _____)

This _____ day of _____, 1999, before me personally came the above named PETER J. SAVOIA, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

CARY L. KUNZ

State of _____)

:

City of _____)

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Notary Public

My Commission Expires _____

Date: _____

RUSSELL E. STACHOWSKI

State of _____)

:

City of _____)

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Notary Public

My Commission Expires _____

ASSIGNMENT

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AGREED and executed as noted below:

Date: _____

STEN O. AKERLUND

State of)
:
City of)

This _____ day of _____, 1999, before me personally came the above named STEN O. AKERLUND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

ROBERT A. RAND

State of)
:
City of)

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Notary Public

My Commission Expires _____

Date: _____

ROLAND O. JACKSON

State of _____)

:

City of _____)

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Notary Public

My Commission Expires _____

Date: _____

ANTHONY P. REESE

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named ANTHONY P. REESE, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

RUSSELL M. FAWCETT

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named RUSSELL M. FAWCETT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

JOHN F. SCHARDT

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named JOHN F. SCHARDT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

ROBERT B. ELKINS

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named ROBERT B. ELKINS, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

PETER J. SAVOIA

State of _____)

:

City of _____)

This _____ day of _____, 1999, before me personally came the above named PETER J. SAVOIA, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: May 25, 1999

Cary L. Kunz
CARY L. KUNZ

State of North Carolina)
 :
City of Wilmington)

This 25 day of May, 1999, before me personally came the above named CARY L. KUNZ, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

JAMES E. MCGINNESS
Notary Public, State of North Carolina
New Hanover County
My Commission Expires 1/23/2001

James E. McGinness
Notary Public

My Commission Expires _____

Date: _____

RUSSELL E. STACHOWSKI

State of)
 :
City of)

This _____ day of _____, 1999, before me personally came the above named RUSSELL L. STACHOWSKI, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

ASSIGNMENT

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Agreeing, further, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

Date: _____

STEN O. AKERLUND

Date: _____

RUSSELL M. FAWCETT

State of _____)
 :
City of _____)

This _____ day of _____, 1999, before me personally came the above named RUSSELL M. FAWCETT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

JOHN F. SCHARDT

State of _____)
 :
City of _____)

This _____ day of _____, 1999, before me personally came the above named JOHN F. SCHARDT, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

ROBERT B. ELKINS

State of _____)
 :
City of _____)

This _____ day of _____, 1999, before me personally came the above named ROBERT B. ELKINS, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: _____

PETER J. SAVOIA

State of _____)
 :
City of _____)

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Notary Public

My Commission Expires _____

Date: _____

CARY L. KUNZ

State of _____)

City of _____)

This _____ day of _____, 1999, before me personally came the above named CARY L. KUNZ, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public

My Commission Expires _____

Date: June 3, 1999

Russell E. Stachowski
RUSSELL E. STACHOWSKI

State of SWISS CONFEDERATION
CANTON AND CITY OF ZURICH } ss)
CONSULAR AGENCY OF THE }
City of UNITED STATES OF AMERICA)

This 3rd day of June, 1999, before me personally came the above named RUSSELL L. STACHOWSKI, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Ellen Bruckmann
Notary Public
Ellen Bruckmann
U. S. Consular Agent

My Commission Expires 10/1/2001