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Our Ref.: 1585-311

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.

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| <p>1. Name of conveying party(ies):<br/>RUSSELL P. HIGGINS<br/>DAVID G. SMITH</p> <p style="text-align: center; font-size: 2em;">8-13-02</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:<br/> <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger<br/> <input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name<br/> <input type="checkbox"/> Other</p> <p>Execution Date: <u>July 24, 2002</u></p> | <p>2. Name and address of receiving party(ies):</p> <p>Name: <u>General Electric Company</u><br/> Internal Address: _____<br/> Street Address: <u>One River Road</u><br/> _____<br/> _____<br/> City: <u>Schenectady</u><br/> State/Country: <u>New York</u><br/> Zip: <u>12345</u></p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
|---|---|

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).<br/> (1) 10/119,293<br/> (2) _____<br/> (3) _____</p> | <p>B. Patent No(s).<br/> (1) _____<br/> (2) _____<br/> (3) _____</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
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| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Richard G. Besha</u><br/> Internal Address: _____<br/> Street Address: <u>Nixon &amp; Vanderhye P.C.</u><br/> <u>1100 North Glebe Road</u><br/> <u>8<sup>th</sup> Floor</u><br/> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p> | <p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u><br/> <input checked="" type="checkbox"/> Enclosed<br/> <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 <b>Account No. 14-1140.</b></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><u>Richard G. Besha</u><br/> Name of Person Signing<br/> Reg. No. 22,770</p> | <p><u>Richard Besha</u><br/> Signature</p> | <p><u>August 13, 2002</u><br/> Date</p> |
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Total number of pages including **original** cover sheet, attachments, and document: [2]

08/15/2002 BARRAHAM 00000134 10119293  
01 FC:581 40.00 DF

**ASSIGNMENT**

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, RUSSELL P. HIGGINS and DAVID G. SMITH of 3325 Red Berry Drive, Wilmington, North Carolina 28409 and 125 Belvedere Court, Leland, North Carolina 28451, respectively, sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in FUEL SPACER.WATER ROD CAPTURE APPARATUS AND METHODS FOR BOILING WATER NUCLEAR REACTORS invented by us, as described in the application for United States Patent, which was filed on April 10, 2002 as Serial Number 10/119,293 and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said improvements in all countries.

7/24/02  
Date

Russell P. Higgins  
RUSSELL P. HIGGINS

Witnessed by:

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

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

NORTH CAROLINA  
STATE OF ~~New York~~)

NEW HANOVER  
COUNTY OF ~~Schenectady~~) ss):

This 24 day of JULY, 2002, before me personally came the above-named, RUSSELL P. HIGGINS, 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 therein set forth.

JAMES E. MCGINNESS  
Notary Public, State of North Carolina  
New Hanover County  
My Commission Expires:

James E McGinness  
Notary Public  
1/23/2006

7/24/02  
Date

David G Smith  
DAVID G. SMITH

Witnessed by:

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

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

NORTH CAROLINA  
STATE OF ~~New York~~)

NEW HANOVER  
COUNTY OF ~~Schenectady~~) ss):

This 24 day of JULY, 2002, before me personally came the above-named, DAVID G. SMITH, 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 therein set forth.

JAMES E. MCGINNESS  
Notary Public, State of North Carolina  
New Hanover County  
My Commission Expires:

James E McGinness  
Notary Public  
1/23/2006