

## 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>Toshiharu HIRAOKA</td> <td>03/19/2012</td> </tr> <tr> <td>Takashi KONISHI</td> <td>03/17/2012</td> </tr> <tr> <td>Masatoshi YAMAJI</td> <td>03/16/2012</td> </tr> <tr> <td>Hiroshi MACHINO</td> <td>03/22/2012</td> </tr> <tr> <td>Taiju SHIBATA</td> <td>04/11/2012</td> </tr> <tr> <td>Kazuhiro SAWA</td> <td>04/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Toshiharu HIRAOKA	03/19/2012	Takashi KONISHI	03/17/2012	Masatoshi YAMAJI	03/16/2012	Hiroshi MACHINO	03/22/2012	Taiju SHIBATA	04/11/2012	Kazuhiro SAWA	04/10/2012
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RECEIVING PARTY DATA															
Name:	TOYO TANSO CO., LTD.														
Street Address:	7-12, TAKESHIMA 5-CHOME, NISHIYODOGAWA-KU														
City:	OSAKA-SHI, OSAKA														
State/Country:	JAPAN														
Postal Code:	555-0011														
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>13395925</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13395925										
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Application Number:	13395925														
CORRESPONDENCE DATA															
Fax Number:	(202)822-1111														
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
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NAME OF SUBMITTER:	Stephen G. Adrian														
Total Attachments: 1 source=120302_assignment#page1.tif															

OP \$40.00 13395925

### U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by  
**Toyo Tanso Co., Ltd.**  
**7-12, Takeshima 5-chome, Nishiyodogawa-ku, Osaka-shi, Osaka 555-0011 JAPAN**

(Insert ASSIGNEE's Name(s) Address(es))

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

**CONTROL ROD FOR HIGH TEMPERATURE GAS REACTOR**

(\*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\* filed on 14/03/2012 Serial No. 13/395,925

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>Toshiharu Hiraoka</u> (Signature)	<u>Toshiharu HIRAOKA</u> (Type Name)	<u>19/03/2012</u> (Date)
<u>Takashi Konishi</u> (Signature)	<u>Takashi KONISHI</u> (Type Name)	<u>17/03/2012</u> (Date)
<u>Masatoshi Yamaji</u> (Signature)	<u>Masatoshi YAMAJI</u> (Type Name)	<u>16/03/2012</u> (Date)
<u>Hiroshi Machino</u> (Signature)	<u>Hiroshi MACHINO</u> (Type Name)	<u>22/03/2012</u> (Date)
<u>Taiju Shibata</u> (Signature)	<u>Taiju SHIBATA</u> (Type Name)	<u>11/04/2012</u> (Date)
<u>Kazuhiro Saw</u> (Signature)	<u>Kazuhiro SAWA</u> (Type Name)	<u>10/04/2012</u> (Date)

NO LEGALIZATION REQUIRED