

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yoshiaki HIROSE</td> <td>12/11/2008</td> </tr> <tr> <td>Tetsuya YUKI</td> <td>12/11/2008</td> </tr> <tr> <td>Teruhisa KONDO</td> <td>12/19/2008</td> </tr> <tr> <td>Osamu OKADA</td> <td>12/12/2008</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiaki HIROSE	12/11/2008	Tetsuya YUKI	12/11/2008	Teruhisa KONDO	12/19/2008	Osamu OKADA	12/12/2008
Name	Execution Date										
Yoshiaki HIROSE	12/11/2008										
Tetsuya YUKI	12/11/2008										
Teruhisa KONDO	12/19/2008										
Osamu OKADA	12/12/2008										
RECEIVING PARTY DATA											
Name:	TOYO TANSO CO., LTD.										
Street Address:	7-12, Takeshima 5-chome, Nishiyodogawa-ku, Osaka-shi										
City:	Osaka										
State/Country:	JAPAN										
Postal Code:	5550011										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12373182</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12373182						
Property Type	Number										
Application Number:	12373182										
CORRESPONDENCE DATA											
Fax Number:	(202)822-1111										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	2028221100										
Email:	PatentMail@Whdapatentlaw.com										
Correspondent Name:	Westerman, Hattori, Daniels & Adrian LLP										
Address Line 1:	1250 Connecticut Avenue NW,										
Address Line 2:	Suite 700										
Address Line 4:	Washington,, DISTRICT OF COLUMBIA 20036										
ATTORNEY DOCKET NUMBER:	082729										
NAME OF SUBMITTER:	Stephen G. Adrian										
Total Attachments: 1											

OP \$40.00 12373182

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 5550011 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)

CRUCIBLE PROTECTION SHEET AND CRUCIBLE APPARATUS USING THE CRUCIBLE PROTECTION SHEET

(*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 _____ Serial No. _____

(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>Yoshiaki HIROSE</u> (Signature)	<u>Yoshiaki HIROSE</u> (Type Name)	<u>11.12.2008</u> (Date)
<u>Tetsuya YUKI</u> (Signature)	<u>Tetsuya YUKI</u> (Type Name)	<u>11.12.2008</u> (Date)
<u>Teruhisa Kondo</u> (Signature)	<u>Teruhisa KONDO</u> (Type Name)	<u>19.12.2008</u> (Date)
<u>Osamu Okada</u> (Signature)	<u>Osamu OKADA</u> (Type Name)	<u>12.12.2008</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED