

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Makoto OHNO</td> <td>06/17/2011</td> </tr> <tr> <td>Isamu YAMAMOTO</td> <td>06/17/2011</td> </tr> <tr> <td>Takahito SAGARA</td> <td>06/17/2011</td> </tr> <tr> <td>Kimihito MABUCHI</td> <td>06/17/2011</td> </tr> <tr> <td>Tohru UENISHI</td> <td>06/17/2011</td> </tr> <tr> <td>Shinya KOYAMA</td> <td>06/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Makoto OHNO	06/17/2011	Isamu YAMAMOTO	06/17/2011	Takahito SAGARA	06/17/2011	Kimihito MABUCHI	06/17/2011	Tohru UENISHI	06/17/2011	Shinya KOYAMA	06/17/2011
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<b>RECEIVING PARTY DATA</b>															
Name:	TOYO BOSEKI KABUSHIKI KAISHA														
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City:	Osaka-shi, Osaka														
State/Country:	JAPAN														
Postal Code:	530-8230														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13147721</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13147721										
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<b>CORRESPONDENCE DATA</b>															
Fax Number:	(202)822-1111														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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NAME OF SUBMITTER:	Stephen G. Adrian														
Total Attachments: 1 source=110862_Assignment_07_12_2011#page1.tif															

OP \$40.00 13147721

### 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

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

**TOYO BOSEKI KABUSHIKI KAISHA** of  
2-8, Dojima Hama 2-Chome, Kita-ku, Osaka-shi, Osaka 530-8230, Japan

(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)

**HOLLOW FIBER MEMBRANE, METHOD FOR MANUFACTURING THE SAME, AND BLOOD PURIFICATION MODULE**

(\*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>Makoto Ohno</u> (Signature)	<u>Makoto OHNO</u> (Type Name)	<u>17/06/2011</u> (Date)
<u>Isamu Yamamoto</u> (Signature)	<u>Isamu YAMAMOTO</u> (Type Name)	<u>17/06/2011</u> (Date)
<u>TAKAHITO SAGARA</u> (Signature)	<u>Takahito SAGARA</u> (Type Name)	<u>17/06/2011</u> (Date)
<u>Kimihiro Mabuichi</u> (Signature)	<u>Kimihiro MABUCHI</u> (Type Name)	<u>17/06/2011</u> (Date)
<u>Tohru Uenishi</u> (Signature)	<u>Tohru UENISHI</u> (Type Name)	<u>17/06/2011</u> (Date)
<u>Shinya Koyama</u> (Signature)	<u>Shinya KOYAMA</u> (Type Name)	<u>17/06/2011</u> (Date)

NO LEGALIZATION REQUIRED