

PATENT ASSIGNMENT COVER SHEET

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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>NORITAKA SHIBATA</td> <td>11/22/2013</td> </tr> <tr> <td>TAKASHI HINENOYA</td> <td>11/22/2013</td> </tr> <tr> <td>TAKAHIRO MORI</td> <td>11/22/2013</td> </tr> <tr> <td>TOSHINORI TANAKA</td> <td>11/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	NORITAKA SHIBATA	11/22/2013	TAKASHI HINENOYA	11/22/2013	TAKAHIRO MORI	11/22/2013	TOSHINORI TANAKA	11/22/2013
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TAKASHI HINENOYA	11/22/2013										
TAKAHIRO MORI	11/22/2013										
TOSHINORI TANAKA	11/22/2013										
RECEIVING PARTY DATA											
Name:	mitsubishi rayon co., ltd.										
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City:	CHIYODA-KU, TOKYO										
State/Country:	JAPAN										
Postal Code:	100-8253										
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>14125769</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14125769						
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Application Number:	14125769										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
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ATTORNEY DOCKET NUMBER:	426401US99PCT										
NAME OF SUBMITTER:	SARFARAZ AHMED										
Signature:	/Sarfraz Ahmed/										

OP \$40.00 14125769

Date:

12/12/2013

Total Attachments: 2

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OSP 51129 A 1/2

Assignment of Application

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WHEREAS, I (WE) Noritaka SHIBATA of Toyohashi-shi, Japan

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

Takashi HINENOYA of Toyohashi-shi, Japan

Takahiro MORI of Toyohashi-shi, Japan

Toshinori TANAKA of Toyohashi-shi, Japan

_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: _____

HOLLOW FIBER MEMBRANE MODULE REPAIR METHOD AND HOLLOW
FIBER MEMBRANE MODULE

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on _____

(Application No. _____, filed _____), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, Mitsubishi Rayon Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Marunouchi 1-chome, Chiyoda-ku,

Tokyo 100-8253 Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>November 22, 2013</u>	<u><i>Noritaka Shibata</i></u> (Signature of Inventor) Noritaka SHIBATA
Date: <u>November 22, 2013</u>	<u><i>Takashi Hineno</i></u> (Signature of Inventor) Takashi HINENOYA
Date: <u>November 22, 2013</u>	<u><i>Takahiro Mori</i></u> (Signature of Inventor) Takahiro MORI
Date: <u>November 22, 2013</u>	<u><i>Toshinori Tanaka</i></u> (Signature of Inventor) Toshinori TANAKA
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

03/03