

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>Kazuhiro SUMIOKA</td> <td>01/23/2012</td> </tr> <tr> <td>Yoshihiro SAKO</td> <td>01/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kazuhiro SUMIOKA	01/23/2012	Yoshihiro SAKO	01/23/2012
Name	Execution Date						
Kazuhiro SUMIOKA	01/23/2012						
Yoshihiro SAKO	01/23/2012						
RECEIVING PARTY DATA							
Name:	MITSUBISHI RAYON CO., LTD.						
Street Address:	6-41, Konan 1-chome, Minato-ku						
City:	Tokyo						
State/Country:	JAPAN						
Postal Code:	108-8506						
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>13390577</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13390577		
Property Type	Number						
Application Number:	13390577						
CORRESPONDENCE DATA							
Fax Number:	(703)413-2220						
Phone:	(703) 413-3000						
Email:	asomaiel@oblon.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Oblon, Spivak, et al.						
Address Line 1:	1940 Duke Street						
Address Line 4:	Alexandria, VIRGINIA 22314						
ATTORNEY DOCKET NUMBER:	393917US99PCT						
NAME OF SUBMITTER:	Adel Samuel						
Total Attachments: 2 source=393917USAssignment#page1.tif source=393917USAssignment#page2.tif							

OP \$40.00 13390577

Assignment of Application

WHEREAS, I (WE) Kazuhiro SUMIOKA of c/o Toyohashi Production Center, Mitsubishi Rayon Co., Ltd.,

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

1-2, Ushikawadori 4-chome, Toyohashi-shi, Aichi 440-8601 Japan; and

Yoshihiro SAKO of c/o Corporate Research Laboratories, Mitsubishi Rayon Co., Ltd.,

20-1, Miyukicho, Otake-shi, Hiroshima 739-0693 Japan

INSERT TITLE
OF INVENTION:

_____, respectively,
have invented certain new and useful improvements in: POROUS ELECTRODE SUBSTRATE, METHOD
FOR PRODUCING THE SAME, PRECURSOR SHEET, MEMBRANE ELECTRODE ASSEMBLY, AND
POLYMER ELECTROLYTE FUEL CELL

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on January 23, 2012

(Application No. 13/390,577 , filed February 15, 2012), 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: 6-41, Konan 1-chome, Minato-ku, Tokyo

108-8506 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.

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: January 23, 2012

Kazuhiro Sumioka
(Signature of Inventor) Kazuhiro SUMIOKA

Date: January 23, 2012

Yoshihiro SAKO
(Signature of Inventor) Yoshihiro SAKO

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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