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11-14-05

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
Shunji KONO (09/29/2005), Masayuki KIDAI (09/29/2005), and Takao UETE (09/29/2005)
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Toray Industries, Inc.
Internal Address: _____
Street Address: 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku Tokyo 103-8666 JAPAN
City: _____
State: _____
Country: _____ Zip: _____
Additional name(s) & address(es) attached: Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):
A. Patent Application No.(s)
This application
Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No.(s)
 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Barry E. Bretschneider MORRISON & FOERSTER LLP
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6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____ Expiration Date _____
b. Deposit Account Number 03-1952 Authorized User Name Barry E. Bretschneider

9. Signature: [Signature] Signature November 14, 2005 Date
Barry E. Bretschneider - 28,055 Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 2

ASSIGNMENT

WHEREAS, We, Shunji KONO, a citizen of Japan, residing at 10-B1-25, Sonoyama 2-chome, Otsu-shi, Shiga 520-0842 Japan; Masayuki KIDAI, a citizen of Japan residing at 5-12-705, Kusatsu 2-chome, Kusatsu-shi, Shiga 525-0034 Japan and Takao UETE, a citizen of Japan, residing at 10-A5-33, Sonoyama 2-chome, Otsu-shi, Shiga 520-0842 Japan (hereinafter referred to as the undersigned), having made an invention entitled MEMBRANE ELECTRODE ASSEMBLY AND POLYMER ELECTROLYTE MEMBRANE FUEL CELL USING THE SAME the undersigned executed an application for Letters Patent of the United States of America,

WHEREAS, Toray Industries, Inc., a corporation of Japan, with offices at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8666 Japan (hereinafter referred to assignee), is desirous of acquiring the entire right, title and interest in said invention, said application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on Sep 29, 2005, at Otsu-shi, Shiga

Witnesses:

The Undersigned:

Jun Torikai

Shunji Kono
Shunji KONO

Masayuki Kidai
Masayuki KIDAI

Takao Uete
Takao UETE

PATENT