

## PATENT ASSIGNMENT

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|--|---------------------------|
| SUBMISSION TYPE:   | NEW ASSIGNMENT            |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                |
| CONVEYING PARTY DATA   |                           |
| Name   | Execution Date            |
| Toyota Motor Engineering & Manufacturing North America, Inc.                         | 10/03/2012                |
| RECEIVING PARTY DATA   |                           |
| Name:  | Toyota Motor Corporation  |
| Street Address:  | 1 Toyota-Cho              |
| City:  | Toyota Aichi              |
| State/Country:   | JAPAN                     |
| Postal Code:   | 471-8571                  |
| PROPERTY NUMBERS Total: 1  |                           |
| Property Type  | Number                    |
| Patent Number:   | 8283076                   |
| CORRESPONDENCE DATA  |                           |
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| ATTORNEY DOCKET NUMBER:  | TTC-44002/08              |
| NAME OF SUBMITTER:   | Thomas E. Anderson        |
| Total Attachments: 1<br>source=AssignmentTMC#page1.tif                               |                           |

OP \$40.00 8283076

## ASSIGNMENT

**WHEREAS**, Toyota Motor Engineering & Manufacturing North America, Inc., a corporation organized under and pursuant to the laws of Kentucky having its principal place of business at 25 Atlantic Avenue; Erlanger, Kentucky 41018 (hereinafter referred to as Assignor), is a joint owner, by assignment, of the Letter Patent listed in Schedule A; and

**WHEREAS**, Toyota Motor Corporation, a Corporation organized under and pursuant to the laws of Japan having its principal place of business at 1 Toyota-Cho, Toyota Aichi, 471-8571, JAPAN (hereinafter referred to as Assignee), is desirous of acquiring the right, title and interest in, to and under said Letter Patent and the invention covered thereby;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said Assignee, the entire right, title and interest for the United States of America and all other countries in and to said Letters Patent listed on *Schedule A* The same to be held and enjoyed by the same Assignee, for its own use and enjoyment of its successors, assigns and other legal representatives, to the end of the term or terms for which Letters Patent of the United States and all other countries listed on the attached *Schedule A* are granted or reissued or reexamined as fully and entirely as the same would have been held and enjoyed by the said Assignor, if this assignment and sale had not been made, together with all claims for damages by reason of past infringement of Letters Patent listed on *Schedule A*, with the right to sue for, and collect the same for its own use and behoof, and for the use and behoof of its successors, assigns, or other legal representatives.

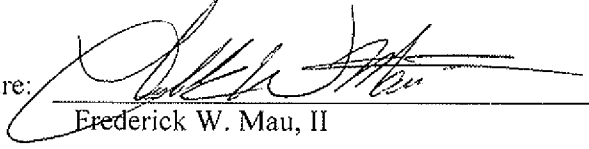
### SCHEDULE A

| Patent Number | Allowance Date | Inventor             | Title                | Ctry |
|---------------|----------------|----------------------|----------------------|------|
| 8,283,076     | 6/15/2012      | Derek Lovley, et al. | MICROBIAL FUEL CELLS | US   |

Date:

10/3/12

Signature:

  
Frederick W. Mau, II

TTC-44002/08 (2006-052/IP-A-193)