

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>HIROKO KIMURA</td> <td>05/06/2010</td> </tr> <tr> <td>NAOKI TAKEHIRO</td> <td>05/06/2010</td> </tr> <tr> <td>MANABU KATO</td> <td>05/06/2010</td> </tr> <tr> <td>KAZUTAKA KIMURA</td> <td>05/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	HIROKO KIMURA	05/06/2010	NAOKI TAKEHIRO	05/06/2010	MANABU KATO	05/06/2010	KAZUTAKA KIMURA	05/06/2010
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<table border="1"> <tr> <td>Name:</td> <td>Toyota Jidosha Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>1, Toyota-cho</td> </tr> <tr> <td>City:</td> <td>Toyota-shi, Aichi-ken</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>471-8571</td> </tr> </table>		Name:	Toyota Jidosha Kabushiki Kaisha	Street Address:	1, Toyota-cho	City:	Toyota-shi, Aichi-ken	State/Country:	JAPAN	Postal Code:	471-8571
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CORRESPONDENCE DATA											
Fax Number: (248)647-5210 Phone: 248-647-6000 Email: ttomayko@patlaw.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: THOMAS E. ANDERSON, GIFFORD, KRASS ET AL Address Line 1: PO BOX 7021 Address Line 4: TROY, MICHIGAN 48007-7021											
ATTORNEY DOCKET NUMBER:	TMCT-22504/08										
NAME OF SUBMITTER:	THOMAS E. ANDERSON										
Signature:	/Thomas E. Anderson/										

Date:

02/14/2014

Total Attachments: 3

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 6 day of May, 2010, by Hiroko KIMURA, Naoki TAKEHIRO, Manabu KATO, and Kazutaka KIMURA (hereinafter referred to as Assignors), residing at Susono-shi, Shizuoka-ken, Japan; Suntou-gun, Shizuoka-ken, Japan; Susono-shi, Shizuoka-ken, Japan; and Susono-shi, Shizuoka-ken, Japan, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in
METHOD OF CREATING PARTICLE SIZE DISTRIBUTION MODEL, METHOD OF PREDICTING
DEGRADATION OF FUEL CELL CATALYST USING THE METHOD OF CREATING PARTICLE
SIZE DISTRIBUTION MODEL, AND METHOD OF CONTROLLING FUEL CELL USING THE
METHOD OF PREDICTING DEGRADATION OF FUEL CELL CATALYST
a Patent application for Letters Patent of the United States, filed on March 31, 2010
as U.S. Application No. 12/751,318 and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA organized under and
pursuant to the laws of Japan having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as Assignee), is desirous of acquiring the
entire right, title and interest in and to said inventions and said Application for Letters Patent of
the United States, and in and to any Letters Patent of the United States to be obtained therefore
and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold,
assigned, transferred and set over, and by these presents do sell, assign, transfer and set over,
unto Assignee, its successors, legal representatives and assigns, the entire right, title and
interest in and to the above-mentioned inventions and application for Letters Patent, and in and
to any and all direct and indirect divisions, continuations and continuations-in-part of said
application, and any and all Letters Patent in the United States and all foreign countries which
may be granted therefor and thereon, and reissues, reexaminations and extensions of said
Letters Patent, and all rights under the International Convention for the Protection of Industrial
Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use
and benefit of its successors, legal representatives and assigns, to the full end of the term or

terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification 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:

GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

All practitioners at Customer Number 25006

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: May 6, 2010

Signature: Hiroko Kimura
Hiroko KIMURA

Date: May 6, 2010

Signature: Naoki Takehiro
Naoki TAKEHIRO

Date: May 6, 2010

Signature: Manabu Kato
Manabu KATO

Date: May 6, 2010

Signature: Kazutaka Kimura
Kazutaka KIMURA