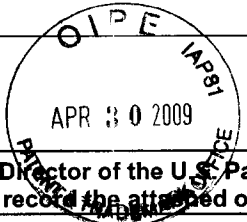


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05-06-2009



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U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 09227.0036
Attorney Customer Number: 22,852

Mail Stop Assignment Recordation Services

To the Director of the U.S. Patent and Trademark Office
Please record the attached original document.

1. Name of conveying party(ies):
Hiroki AWANO
Motoshi ISONO

2. Name and address of receiving party(ies):
Name: Toyota Jidosha Kabushiki Kaisha

Additional name(s) of conveying party(ies) attached? Yes No

Internal Address:

3. Nature of conveyance:

Street Address: 1, Toyota-cho

Assignment

Merger

City: Toyota shi, Aichi-ken

Security Agreement

Change of Name

State: Japan

Zip Code: 471-8571

471-8571

Joint Research Agreement

Government Interest Assignment

Additional name(s) & Address(es) attached?

Executive Order 9494, Confirmatory License

Other:

Yes No

Execution Date: April 22, 2008

Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s): 11/991,010

B. Patent Number(s):

Additional numbers attached? Yes No

4. Name and address of party to whom correspondence concerning document should be mailed:

5. Total number of applications and patents involved: 1

Name: James W. Edmondson

6. Total fee (37 CFR 1.21(h) and 3.41): \$40

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916)

Street Address: 901 New York Avenue, N.W.

Authorized to be charged to deposit account

City: Washington, D.C.

State: Zip: 20001-4413

7. Deposit Account No.: 06-0916

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signed: James W. Edmondson
James W. Edmondson

April 30, 2009
Date

Total number of pages including cover sheet, attachments and documents: 3

12/2005

05/05/2009 MJAMA1 00000057 11991010
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PATENT
REEL: 022653 FRAME: 0613

ASSIGNMENT FOR US PATENT APPLICATION

WHEREAS, the undersigned inventors, Hisashi YAMAMOTO of Nagoya-shi, Aichi-ken, Japan, Masaki MATSUI of Susono-shi, Shizuoka-ken, Japan, Hiroki AWANO of Susono-shi, Shizuoka-ken, Japan and Motoshi ISONO of Susono-shi, Shizuoka-ken, Japan (hereinafter referred to as "the Assignors"), have invented certain new and useful improvements in "ION CONDUCTIVE MATERIAL AND USE THEREOF", for which a US patent application was filed on February 26, 2008 and was assigned serial number 11/991,010; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a corporation duly organized under and pursuant to the laws of Japan, and having a principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan, (hereinafter referred to as "the Assignee") is desirous of acquiring the entire right, title and interest of the Assignors in and to said improvements, the entire right, title and interest of the Assignors in and to any US patent application(s) based on said improvements, and in and to any Patent(s) of the United States, to be obtained therefor and thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest of the Assignors in and to the above-mentioned improvements, the entire right, title and interest of the Assignors in and to any US patent applications and any and all Patents of the United States of America that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the improvements set forth in said above-mentioned application, and that the same right, title, and interest are unencumbered, and that the 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, the Assignors hereby covenant to and agree with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said improvements or said applications for Patents, or any proceeding in connection with Patents for said improvements in the United States of America, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Patents, or any reissue or extension of any Patents to be obtained thereon, is lawful and desirable, 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 Patents for said improvements, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, their successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents and Trademarks to issue any and all said Patent(s) of the United States to the Assignee as the Assignee of said improvements, the Patent(s) to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: _____ Name of Assignor Hisashi YAMAMOTO

Date: _____ Name of Assignor Masaki MATSUI

Date: _____ Name of Assignor Hiroki Awano 22/04/2008
Hiroki AWANO

Date: _____ Name of Assignor Motoshi Isono 22/04/2008
Motoshi ISONO