

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee previously recorded on Reel 018450 Frame 0718. Assignor(s) hereby confirms the correct name of the Assignee is Toyota Motor Engineering & Manufacturing North America, Inc..

CONVEYING PARTY DATA

Name	Execution Date
Minjuan Zhang	09/22/2006

RECEIVING PARTY DATA

Name:	Toyota Motor Engineering & Manufacturing North America, Inc.
Street Address:	25 Atlantic Avenue
City:	Erlanger
State/Country:	KENTUCKY
Postal Code:	41018

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11549203

CORRESPONDENCE DATA

Fax Number: (248)647-5210
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 248-647-6000
 Email: docket@patlaw.com
 Correspondent Name: Thomas E. Anderson
 Address Line 1: P.O. Box 7021
 Address Line 4: Troy, MICHIGAN 48007-7021

ATTORNEY DOCKET NUMBER:	TTC-38202/08
NAME OF SUBMITTER:	Thomas E. Anderson

Total Attachments: 5
 source=ttc38202asg#page1.tif
 source=ttc38202asg#page2.tif
 source=ttc38202asg#page3.tif

CH \$40.00 11549203

source=ttc38202asg#page4.tif
source=ttc38202asg#page5.tif

RECORDATION FORM COVER SHEET
PATENTS ONLY

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):

Minjuan Zhang

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

2. Name and address of receiving party(ies)

Name: Toyota Engineering & Manufacturing North America, Inc.

Internal Address: _____

Street Address: _____

25 Atlantic Avenue

City: Erlanger

State: Kentucky

Country: United States of America Zip: 41018

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): September 22, 2006

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):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/549,203

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Thomas E. Anderson
GIFFORD, KRASS, GROH, SPRINKLE,
ANDERSON & CITKOWSKI, P.C.

Internal Address: Atty. Dkt.: TTC-38202/08

Street Address: 2701 Troy Center Drive, Suite 330
Post Office Box 7021

City: Troy

State: MI Zip: 48007-7021

Phone Number: (248) 647-6000

Fax Number: (248) 647-5210

Email Address: docket@patlaw.com

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 07-1180
Authorized User Name Thomas E. Anderson

9. Signature:

/Thomas E. Anderson/
Signature

October 26, 2006
Date

Thomas E. Anderson - 31,318
Name of Person Signing

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

3

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Minjuan Zhang (hereinafter referred to as Assignor), residing at 2859 Chaseway Drive, Ann Arbor, Michigan 48105;

WHEREAS, Assignor has invented certain new and useful improvements in HOMOGENEOUS THERMOELECTRIC NANOCOMPOSITE USING CORE-SHELL NANOPARTICLES, set forth in a Patent application for Letters Patent of the United States, previously filed as Serial No. 11/549,203, filed on October 13, 2006; and

WHEREAS, ^{Motor} Toyota 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 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, Assignor has sold, assigned, transferred and set over, and by these presents does 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 therefore 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 Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents 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, Assignor is the sole and lawful owner 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor 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.

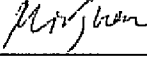
AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants 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, GROH, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

All practitioners at Customer Number 63796

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 9/22/06 Signature: 
Minjuan Zhang