

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee's name previously recorded on Reel 018368 Frame 0749. Assignor(s) hereby confirms the Assignee's name should be Toyota Motor Engineering & Manufacturing North America, Inc..										
CONVEYING PARTY DATA											
<table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Minjuan Zhang</td><td>09/21/2006</td></tr></table>		Name	Execution Date	Minjuan Zhang	09/21/2006						
Name	Execution Date										
Minjuan Zhang	09/21/2006										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Toyota Motor Engineering &amp; Manufacturing North America, Inc.</td></tr><tr><td>Street Address:</td><td>25 Atlantic Avenue</td></tr><tr><td>City:</td><td>Erlanger</td></tr><tr><td>State/Country:</td><td>KENTUCKY</td></tr><tr><td>Postal Code:</td><td>41018</td></tr></table>		Name:	Toyota Motor Engineering & Manufacturing North America, Inc.	Street Address:	25 Atlantic Avenue	City:	Erlanger	State/Country:	KENTUCKY	Postal Code:	41018
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PROPERTY NUMBERS Total: 1											
<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>11120731</td></tr></table>		Property Type	Number	Application Number:	11120731						
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Application Number:	11120731										
CORRESPONDENCE DATA											
Fax Number: (248)647-5210 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 248 647-6000											
Email: docket@patlaw.com											
Correspondent Name: Thomas Anderson											
Address Line 1: P.O. Box 7021											
Address Line 4: Troy, MICHIGAN 48007											
ATTORNEY DOCKET NUMBER:	TTC-21502/08										
NAME OF SUBMITTER:	Thomas E. Anderson										
Total Attachments: 4 source=hppsca67#page1.tif source=hppsca67#page2.tif source=hppsca67#page3.tif											

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PATENT  
REEL: 019928 FRAME: 0310



## PATENT ASSIGNMENT

Electronic Version v1.1  
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10/10/2006  
500162347

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Minjuan Zhang	09/21/2006
RECEIVING PARTY DATA	
Name:	Toyota Engineering & Manufacturing North America, Inc.
Street Address:	25 Atlantic Avenue
City:	Erlanger
State/Country:	KENTUCKY
Postal Code:	41018
PROPERTY NUMBERS Total: 1	
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Application Number:	11120731
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Fax Number:	(248)647-5210
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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
ATTORNEY DOCKET NUMBER:	TTC-21502/08
NAME OF SUBMITTER:	Thomas E. Anderson
Total Attachments: 2 source=ZhangAssignTEMA#page1.tif source=ZhangAssignTEMA#page2.tif	

OP \$40.00 11120731

## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made this 21 day of September, 2006, 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 NANOSTRUCTURED BULK THERMOELECTRIC MATERIAL, set forth in a Patent application for Letters Patent of the United States, already filed on May 3, 2005 as U.S. Application No. 11/120,731; and

**WHEREAS**, <sup>Motor</sup>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, domestic and foreign, in and to the above-mentioned inventions and discoveries, including the right of said Assignee, its successors, legal representatives and assigns, to make and receive Letters Patent for said inventions and discoveries in any and all foreign countries in its own name, or in the name of the Assignor has, at its election, and all rights of priority in and to said inventions and discoveries in all countries.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, Assignor has not granted any rights inconsistent with the rights granted herein.

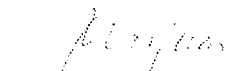
AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor, heirs, successors, assigns or other legal representatives will sign any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform all acts which Assignee, its successors, legal representatives and assigns may deem necessary to secure thereto the rights herein assigned, sold and set over.

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

Date: 7/21/06

Signature:   
Minjuan Zhang