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06-22-2005 Form PTO-1595 (Rev. 09/04) **!TMENT OF COMMERCE** OWE MAC dest -0832 (PARTIES SPECORDAT) tent and Trademark Office 2005 JUN 16 MH: 12 PA1 103025144 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)/Execution Date(s): 2. Name and address of receiving party(ies) Gang Chen (06/13/2005) and Mildred Dresselhaus MASS INSTITUTE OF TECHNOLOGY (06/13/2005)Internal Address: Execution Date(s): in parentheses after inventor name Street Address: Additional name(s) of conveying party(ies) attached? x No 77 Massachusetts Avenue 3. Nature of Conveyance: x Assignment Merger Security Agreement Change of Name Cambridge Government Interest Assignment Massachusetts State: Executive Order 9424, Confirmatory License Country: United States of America Zip: Additional name(s) & address(es) x No 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) 10/977,363 Additional numbers attached? 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Name: Thomas J. Engellenner NUTTER MCCLENNEN & FISH LLP 40.00 7. Total fee (37 CFR 1.21(h) & 3.41) \$_ Internal Address: Atty. Dkt.: 101328-0193 Authorized to be charged by credit card Street Address: World Trade Center West Authorized to be charged to deposit account 155 Seaport Boulevard None required (government interest not affecting title) City: Boston 8. Payment Information Zip: 02210-2604 State: a. Credit Card Last 4 Numbers (617) 439-2000 **Expiration Date** Phone Number: (617) 310-9000 Fax Number: b. Deposit Account Number Email Address: TEngellenner@Nutter.com Authorized User Name 9. Signature: 06/21/2005 DBYRNE 00000039 10977363 June 14, 2005 Signature Date 01 FC:8021 40.00 OP Reza Mollaaghababa - 43,810 Total number of pages including cover 6 sheet, attachments, and documents: Name of Person Signing **Recordation Form Cover Sheet** I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450. Alexandria, VA 22313-1450, on the date shown below. Dated: June 14, 2005 Signature: (Reza Moilaaghababa)

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 13th day of June, 2005, by Gang Chen and Mildred Dresselhaus (hereinafter referred to as Assignors), residing at 128 Skelton Road, Carlisle, Massachusetts 01741 and 147 Jason Street, Arlington, Massachusetts 02476, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in NANOCOMPOSITES WITH HIGH THERMOELECTRIC FIGURES OF MERIT, set forth in a Patent application for Letters Patent of the United States, already filed on October 29, 2004 as U.S. application No. 10/977,363; and

WHEREAS, MASS INSTITUTE OF TECHNOLOGY (MIT), a College organized under and pursuant to the laws of Massachusetts having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 (hereinafter referred to as Assignee), is desirous of acquiring Assignors' 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 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 Assignors, had this sale and assignment not been made.

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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:

NUTTER MCCLENNEN & FISH LLP

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PATENT REEL: 016695 FRAME: 0566

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

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Gang	Chen

Date:	June 13,	Loat				
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December 2, 2005

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PATENT REEL: 016695 FRAME: 0568 Mildred Dresselhaus

Date:	June 1	13, 2005					
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CHARLES T. MUNGER
Notary Public
Commission Expires
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