PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| James M. Tour | 04/15/2011 |
| Yubao Li | 07/07/2011 |
| Alexander Sinitskiy | 04/15/2011 |

RECEIVING PARTY DATA

| Name: | William Marsh Rice University |
|-----------------|-------------------------------|
| Street Address: | 6100 Main Street |
| City: | Houston |
| State/Country: | TEXAS |
| Postal Code: | 77005 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12240673 |

CORRESPONDENCE DATA

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Frank Amini Correspondent Name: Address Line 1: PO Box 50784 Address Line 4: Dallas, TEXAS 75201

| ATTORNEY DOCKET NUMBER: | 11321-P165US |
|-------------------------|--------------|
| | |

NAME OF SUBMITTER: Polin Chieu

Total Attachments: 4

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REEL: 026561 FRAME: 0537

PATENT

Assignment of Invention

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WHEREAS, James M. Tour, residing at 4625 Spruce Street, Bellaire, Texas 77401, United States of America; Yubao Li, residing at 755 E. Capitol Ave., K305, Milpitas, California 95035, United States of America; and Alexander Sinitskiy, residing at Dzerzhinsky str. 24-26, Apt #30, Ryazan 390005, Russian Federation have invented certain new and useful improvements in "ELECTRONIC SWITCHING, MEMORY AND SENSOR DEVICES FROM CARBON SHEETS ON DIELECTRIC MATERIALS" for which an application was filed on September 29, 2008 under Serial Number 12/240,673,

WHEREAS, WILLIAM MARSH RICE UNIVERSITY, a university organized under the laws of Texas, having a principal office and place of business at 6100 Main Street, Houston, Texas 77005 (hereinafter ASSIGNEE) desires to jointly acquire from James M. Tour; Yubao Li; and Alexander Sinitskiy the entire right, title and interest they have in and to said invention and to any Letters Patent that may be granted thereof from said applications in the United States and its territorial possessions, and any and all countries foreign to the United States of America;.

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, We, by these presents so sell, assign and transfer unto said ASSIGNEE, all of my rights to the said invention in the United States and its territorial possessions and all countries foreign to the United States of America, and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof, and to any and all Letters Patent which may be granted therefore in all countries foreign to the United States.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and Patent Office Officials in all countries foreign to the United States to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the use and behalf of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

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Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE 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.

| Date: | EXECUTED AT: _ | (City, State, Country) James M. Tour | |
|-------|----------------|---------------------------------------|--|
| | EXECUTED AT: _ | (City, State, Country) | |
| Date: | | Yubao Li | |
| | EXECUTED AT: _ | (City, State, Country) | |
| Date: | | | |
| | | Alevander Sinitskiy | |

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Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

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| | EXECUTED AT: | |
|-------|--------------|--|
| | | (City, State, Country) |
| Date: | | 7- |
| | | James M. Tour |
| | | |
| | EXECUTED AT: | Milpitas, CA, USA (City, State, Country) |
| | | (City, State, Country) |
| Date: | 7-7-2011 | July li |
| | | Yubao Li |
| | | |
| | EXECUTED AT: | |
| | | (City, State, Country) |
| Date: | | |
| | | Alexander Sinitskiy |

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Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

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| | | (City, State, Country) |
| Date: | | |
| | | James M. Tour |
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| | water and the control of the control | (City, State, Country) |
| Date: | | |
| | | Yubao Li |
| | | |
| | EXECUTED AT: | Houston, Texas, USA |
| | | (City, State, Country) |
| Date: | April 15, 2011 | A. Cumus |
| | • | Alexander Sinitskiy |

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RECORDED: 07/08/2011

PATENT REEL: 026561 FRAME: 0541