

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhendong Hong</td> <td>08/09/2013</td> </tr> <tr> <td>Hieu Pham</td> <td>08/20/2013</td> </tr> <tr> <td>Randall Higuchi</td> <td>08/09/2013</td> </tr> <tr> <td>Vidyut Gopal</td> <td>04/10/2013</td> </tr> <tr> <td>Imran Hashim</td> <td>08/09/2013</td> </tr> <tr> <td>Tim Minvielle</td> <td>04/10/2013</td> </tr> <tr> <td>Takeshi Yamaguchi</td> <td>04/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zhendong Hong	08/09/2013	Hieu Pham	08/20/2013	Randall Higuchi	08/09/2013	Vidyut Gopal	04/10/2013	Imran Hashim	08/09/2013	Tim Minvielle	04/10/2013	Takeshi Yamaguchi	04/10/2013
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<table border="1"> <tr> <td>Name:</td> <td>Intermolecular, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3011 N. First Street</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95134</td> </tr> </table>		Name:	Intermolecular, Inc.	Street Address:	3011 N. First Street	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134						
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<table border="1"> <tr> <td>Name:</td> <td>SanDisk 3D LLC</td> </tr> <tr> <td>Street Address:</td> <td>601 McCarthy Boulevard</td> </tr> <tr> <td>City:</td> <td>Milpitas</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95034</td> </tr> </table>		Name:	SanDisk 3D LLC	Street Address:	601 McCarthy Boulevard	City:	Milpitas	State/Country:	CALIFORNIA	Postal Code:	95034						
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PROPERTY NUMBERS Total: 1																	
Property Type	Number																

PATENT

502465007

REEL: 031057 FRAME: 0973

CH \$40.00 13198837

Application Number: 13198837

CORRESPONDENCE DATA

Fax Number: 4085825401

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4085825533

Email: patents@intermolecular.com

Correspondent Name: Intermolecular, Inc.

Address Line 1: 3011 N. First Street

Address Line 4: San Jose, CALIFORNIA 95134

ATTORNEY DOCKET NUMBER:	IM0330_US
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NAME OF SUBMITTER:	Manu Kashyap
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Signature:	/Manu Kashyap/
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Date:	08/20/2013
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Total Attachments: 2

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ASSIGNMENT OF PATENT APPLICATION

Whereas we the undersigned inventors have invented certain new and useful improvements as set forth in the patent application entitled:

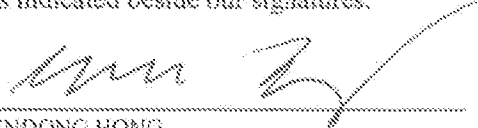
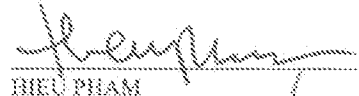
ATOMIC LAYER DEPOSITION OF METAL OXIDES FOR MEMORY APPLICATIONS

(Atty. Docket No. IM0330_US) for which we have executed an application for a United States Letters Patent filed on August 05, 2011 having the application number 13/198,837

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors hereby:

- 1) Sell, assign and transfer to Intermolecular, Inc., a Delaware corporation having a place of business at 3011 N. First Street, San Jose, California 95134 U.S., Kabushiki Kaisha Toshiba doing business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and SanDisk 3D LLC doing business at 601 McCarthy Boulevard, Milpitas, CA 95034 USA, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the dates indicated beside our signatures.

- | | | |
|----|--|----------------------|
| 1) | Signature:  | Date: <u>8/9/13</u> |
| | Typed Name: ZHENDONG HONG | |
| 2) | Signature:  | Date: <u>8-20-13</u> |
| | Typed Name: HIEU PHAM | |
| 3) | Signature:  | Date: <u>8/9/13</u> |
| | Typed Name: RANDALL HIGUICHE | |

Attorney Docket No. IM0330_US

- 4) Signature: Vidyut Gopal Date: 04/10/2013
Typed Name: VIDYUT GOPAL
- 5) Signature: Imran Hashim Date: 8/9/13
Typed Name: IMRAN HASHIM
- 6) Signature: Tim Minvielle Date: 9/10/13
Typed Name: TIM MINVIELLE
- 7) Signature: Takeshi Yamaguchi Date: 4/10/2013
Typed Name: TAKESHI YAMAGUCHI