

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>Yun Wang</td> <td>09/14/2011</td> </tr> <tr> <td>Vidyut Gopal</td> <td>09/19/2011</td> </tr> <tr> <td>Imran Hashim</td> <td>09/14/2011</td> </tr> <tr> <td>Dipankar Pramanik</td> <td>09/16/2011</td> </tr> <tr> <td>Tony Chiang</td> <td>09/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	Yun Wang	09/14/2011	Vidyut Gopal	09/19/2011	Imran Hashim	09/14/2011	Dipankar Pramanik	09/16/2011	Tony Chiang	09/19/2011
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RECEIVING PARTY DATA													
Name:	Intermolecular, Inc.												
Street Address:	3011 N. First Street												
City:	San Jose												
State/Country:	CALIFORNIA												
Postal Code:	95134												
PROPERTY NUMBERS Total: 1													
Property Type	Number												
Application Number:	13236481												
CORRESPONDENCE DATA													
Fax Number:	(408)582-5401												
Phone:	4085825533												
Email:	patents@intermolecular.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Intermolecular, Inc.												
Address Line 1:	3011 N. First Street												
Address Line 4:	San Jose, CALIFORNIA 95134												
ATTORNEY DOCKET NUMBER:	IM0331_US												
NAME OF SUBMITTER:	Aubrey L. Helms, Jr.												
Total Attachments: 2 source=2011_09_19_IM0331_US_AST#page1.tif source=2011_09_19_IM0331_US_AST#page2.tif													

CH \$40.00 13236481

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

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

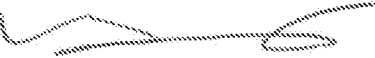
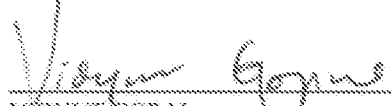

ATOMIC LAYER DEPOSITION OF HAFNIUM AND ZIRCONIUM OXIDES FOR MEMORY APPLICATIONS

(Atty. Docket No. IM0331_US) for which we have executed an application for a United States Letters Patent.

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., (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>09/14/2011</u>
	Typed Name: YUN WANG	
2)	Signature: 	Date: <u>09/19/2011</u>
	Typed Name: VIDVUT GOPAL	
3)	Signature: 	Date: <u>9/14/11</u>
	Typed Name: IMRAN HASHIM	

4) Signature: 
Typed Name: DIPANKAR PRAMANIK

Date: 9/16/11

5) Signature: 
Typed Name: TONY CHIANG

Date: 09/19/2011