

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Xiangxin Rui</td> <td>12/14/2012</td> </tr> <tr> <td>Mitsuhiro Horikawa</td> <td>12/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Xiangxin Rui	12/14/2012	Mitsuhiro Horikawa	12/17/2012				
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Mitsuhiro Horikawa	12/17/2012										
RECEIVING PARTY DATA											
<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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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13727898</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13727898						
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CORRESPONDENCE DATA											
<p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (408) 582-5400</p> <p>Email: patents@intermolecular.com</p> <p>Correspondent Name: Intermolecular, Inc.</p> <p>Address Line 1: 3011 N. First Street</p> <p>Address Line 4: SAN JOSE, CALIFORNIA 95134</p>											
ATTORNEY DOCKET NUMBER:	IM0807_US										
NAME OF SUBMITTER:	Mark Salvatore										
<p>Total Attachments: 2</p> <p>source=2012_12_27_IM0807_US_AST#page1.tif</p> <p>source=2012_12_27_IM0807_US_AST#page2.tif</p>											

CH \$40.00 13727898

**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:

**Methods to Improve Leakage for ZrO<sub>2</sub> Based High K MIM Capacitor**

(Atty. Docket No. IM0807\_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. and Elpida Memory, Inc., having a place of business at Sumitomo Seimei Yaesu Bldg. 3F, 2-1 Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 JAPAN, (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.

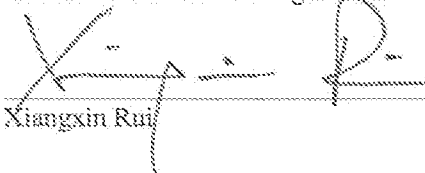
2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.

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>12/14/12</u> |
|    | Typed Name: <u>Xiangxin Rui</u>  |                       |
| 2) | Signature: _____   | Date: _____           |
|    | Typed Name: <u>Mitsuhiko Horikawa</u>  |                       |
| 3) | Signature: _____   | Date: _____           |
|    | Typed Name: <u>Hiroyuki Ode</u>  |                       |
| 4) | Signature: _____   | Date: _____           |
|    | Typed Name: <u>Karthik Ramani</u>  |                       |

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| 1) | Signature: _____<br>Typed Name: Xiangxin Rui                           | Date: _____             |
| 2) | Signature: <u>Mitsuhiro Horikawa</u><br>Typed Name: Mitsuhiro Horikawa | Date: <u>12/17/2012</u> |
| 3) | Signature: _____<br>Typed Name: Hiroyuki Ode                           | Date: _____             |
| 4) | Signature: _____<br>Typed Name: Karthik Ramani                         | Date: _____             |