

## 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>Michael Smith</td> <td>03/10/2009</td> </tr> <tr> <td>Suresh Rajan</td> <td>03/10/2009</td> </tr> <tr> <td>David Wang</td> <td>03/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	Michael Smith	03/10/2009	Suresh Rajan	03/10/2009	David Wang	03/09/2009
Name	Execution Date								
Michael Smith	03/10/2009								
Suresh Rajan	03/10/2009								
David Wang	03/09/2009								
RECEIVING PARTY DATA									
Name:	MetaRAM, Inc.								
Street Address:	181 Metro Drive								
Internal Address:	Suite 400								
City:	San Jose								
State/Country:	CALIFORNIA								
Postal Code:	95110								
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>13473827</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13473827				
Property Type	Number								
Application Number:	13473827								
CORRESPONDENCE DATA									
Fax Number:	(877)769-7945								
Phone:	(202) 626-7703								
Email:	apsi@fr.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:	I-Wei Hsieh								
Address Line 1:	FISH & RICHARDSON P.C.								
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Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022								
ATTORNEY DOCKET NUMBER:	16113-1939002								
NAME OF SUBMITTER:	Lori L. Stewart								
Total Attachments: 1 source=assignment to metaram#page1.tif									

CH \$40.00 13473827

TO: METARAM COMPANY: ATTN: MICHAEL SMITH

03/11/2009 10:47 4084351438

METARAM

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**ASSIGNMENT OF PATENT APPLICATION**

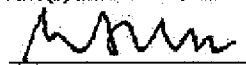
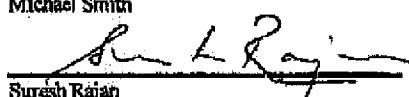
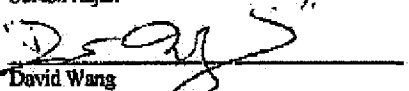
Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

**EMULATION OF ABSTRACTED DIMMS USING ABSTRACTED DRAMS**

(Docket No. MRAM-P0108) for which I (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, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to MetaRAM, Inc., a California corporation having a place of business at 181 Metro Drive, Suite 400, San Jose, CA 95110, (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 I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- |    |   |                            |
|----|---|----------------------------|
| 1) | Signature: <u></u> | Date: <u>10 March 2009</u> |
|    | Typed Name: Michael Smith   |                            |
| 2) | Signature: <u></u> | Date: <u>3/10/09</u>       |
|    | Typed Name: Surash Rajan  |                            |
| 3) | Signature: <u></u> | Date: <u>March 9, 2009</u> |
|    | Typed Name: David Wang  |                            |