

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2599322

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>KAMAL M KARDA</td> <td>10/14/2013</td> </tr> <tr> <td>D.V. NIRMAL RAMASWAMY</td> <td>10/25/2013</td> </tr> <tr> <td>F. DANIEL GEALY</td> <td>10/14/2013</td> </tr> <tr> <td>CHANDRA V. MOULI</td> <td>10/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	KAMAL M KARDA	10/14/2013	D.V. NIRMAL RAMASWAMY	10/25/2013	F. DANIEL GEALY	10/14/2013	CHANDRA V. MOULI	10/25/2013
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CHANDRA V. MOULI	10/25/2013										
RECEIVING PARTY DATA											
Name:	MICRON TECHNOLOGY, INC										
Street Address:	8000 S FEDERAL WAY										
City:	BOISE										
State/Country:	IDAHO										
Postal Code:	83716-9632										
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>14068887</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14068887						
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Application Number:	14068887										
CORRESPONDENCE DATA											
Fax Number:	(612)659-9344										
Phone:	612-659-9340										
Email:	tracy@bipl.net										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	BROOKS, CAMERON & HUEBSCH , PLLC										
Address Line 1:	1221 NICOLLET AVENUE, SUITE 500										
Address Line 4:	MINNEAPOLIS, MINNESOTA 55403										
ATTORNEY DOCKET NUMBER:	1001.0750001[13-0212US]										
NAME OF SUBMITTER:	JACOB T. KERN										
Signature:	/Jacob T. Kern/										

OP \$40.00 14068887

Date:

10/31/2013

**Total Attachments: 4**

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## ASSIGNMENT

WHEREAS, WE, Kamal M. Karda, residing at 297 E. Pennsylvania Street, Boise, ID 83706, F. Daniel Gealy, residing at 4300 Junayo Ln, Kuna, ID 83634, D.V. Nirmal Ramaswamy residing at 2243 Serene Drive, Boise, ID 83706, Chandra V Mouli, residing at 727 South Granite Way, Boise ID 83712, made certain new and useful inventions and improvements for which an application for Letters Patent of the United States on or even date herewith, which is entitled: **MULTI-BIT FERROELECTRIC MEMORY DEVICE AND METHODS OF FORMING THE SAME**

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Assignee, its successors or assigns, the right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment for all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patent and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute, and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to more effectually secure and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned, and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

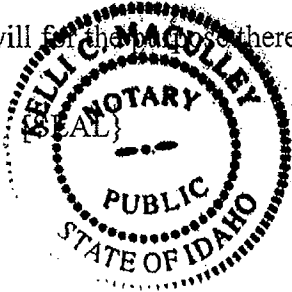
IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 2013.

Kamal M. Karḍa  
Kamal M. Karḍa

Date: 10-14-2013

STATE OF Idaho  
COUNTY OF Ada ) ss.

BEFORE ME, this 14 day of October, 2013 personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.



Kelli Maculley  
Notary or Consular Officer  
My Commission Expires 2/28/2018

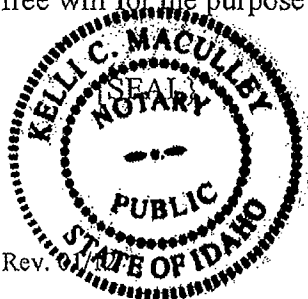
IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 2013.

D.V. Nirmal Ramaswamy  
D.V. Nirmal Ramaswamy

Date: 25/10/2013

STATE OF Idaho  
COUNTY OF Ada ) ss.

BEFORE ME, this 25 day of October, 2013 personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.



Kelli Maculley  
Notary or Consular Officer  
My Commission Expires 2/28/2018

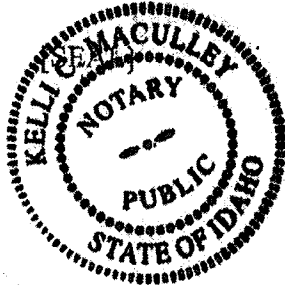
Rev. of

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_\_\_,  
2013.

[Signature] Date: 10/14/2013  
F. Daniel Gealy

STATE OF Idaho )  
COUNTY OF Ada ) ss.

BEFORE ME, this 14 day of October, 2013 personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.



[Signature]  
Notary or Consular Officer  
My Commission Expires 2/28/2018

IN TESTIMONY WHEREOF, I have hereunto set my hand this 25 day of Oct., 2013.

V. Mouli  
Chandra V. Mouli

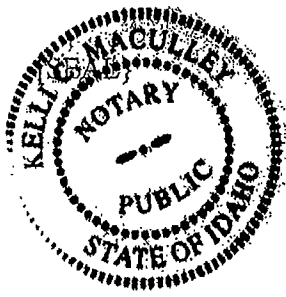
STATE OF Idaho

COUNTY OF Ada

On this 25 day of October, 2013 before me personally appeared Chandra, V. Mouli known to me or identified as the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Kelly Mully  
Notary Public

Not. 2/28210



Rev. 01/13