

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>Sangbum Kim</td> <td>05/11/2012</td> </tr> <tr> <td>Chung H. Lam</td> <td>05/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sangbum Kim	05/11/2012	Chung H. Lam	05/14/2012
Name	Execution Date						
Sangbum Kim	05/11/2012						
Chung H. Lam	05/14/2012						
RECEIVING PARTY DATA							
Name:	International Business Machines Corporation						
Street Address:	1 New Orchard Road						
City:	Armonk						
State/Country:	NEW YORK						
Postal Code:	10504						
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>13472395</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13472395		
Property Type	Number						
Application Number:	13472395						
CORRESPONDENCE DATA							
Fax Number:	(650)712-0263						
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ATTORNEY DOCKET NUMBER:	MXIC 1981-2						
NAME OF SUBMITTER:	Mark A. Haynes						
Total Attachments: 1 source=ibm_assignment#page1.tif							

OP \$40.00 13472395

ASSIGNMENT

WHEREAS,

Sangbum Kim residing at Fairfield County Connecticut;
Chung H. Lam residing at Westchester County, New York;

(herein called "THE UNDERSIGNED") has made an invention and has executed concurrently herewith an application for Letters Patent of the United States, said application entitled **HIGH-ENDURANCE PHASE CHANGE MEMORY DEVICES AND METHODS FOR OPERATING THE SAME** and being further identified by Attorney Docket No. MXIC 1981-2;

AND WHEREAS International Business Machines Corporation (herein called "ASSIGNEE"), a corporation organized under the laws of New York, and having an office and place of business at Armonk, New York 10504 wishes to acquire the entire right, title and interest in and to said invention and patent application and any United States and foreign patents to be obtained therefor;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sells, assigns and transfers to the ASSIGNEE, its successors and assigns, the entire right, title and interest to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent, both foreign and domestic, which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agrees that THE UNDERSIGNED, his executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) 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 THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represents and agrees 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 or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set his hand on the date indicated below.



Sangbum Kim

11 MAY 2012
Date



Chung H. Lam

14 May 2012
Date