

## 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>Robinson E Pino</td> <td>09/08/2011</td> </tr> <tr> <td>Youngok K Pino</td> <td>09/08/2011</td> </tr> </tbody> </table>		Name	Execution Date	Robinson E Pino	09/08/2011	Youngok K Pino	09/08/2011
Name	Execution Date						
Robinson E Pino	09/08/2011						
Youngok K Pino	09/08/2011						
RECEIVING PARTY DATA							
Name:	United States Air Force						
Street Address:	26 Electronic Parkway						
Internal Address:	AFRL/RIJ						
City:	Rome						
State/Country:	NEW YORK						
Postal Code:	13441-4514						
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>13385466</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13385466		
Property Type	Number						
Application Number:	13385466						
CORRESPONDENCE DATA							
Fax Number:	3153307583						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	315.330.2087						
Email:	Judith.Decker@rl.af.mil						
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Address Line 1:	26 Electronic Parkway						
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ATTORNEY DOCKET NUMBER:	RL10,099						
NAME OF SUBMITTER:	Judith M Decker						
Total Attachments: 3 source=PinoPino Assign#page1.tif source=PinoPino Assign#page2.tif source=PinoPino Assign#page3.tif							

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**ASSIGNMENT  
OF  
GOVERNMENT EMPLOYEE  
INVENTION AND PATENT RIGHTS, TITLE & INTERESTS**

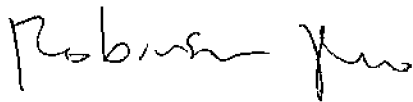
WHEREAS, we, Robinson E. Pino and Youngok K. Pino, while employed by the Government of the United States, jointly made an invention entitled RECONFIGURABLE MEMRISTOR-BASED COMPUTING LOGIC, being first disclosed and described in U.S. Provisional Patent Application 61/463,957 filed on February 25, 2011 and subsequently described in U.S. Patent Application 13/385,466 filed on 1/30/2012 ;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph I (a) of Executive Order 10096, to the entire right, title and interest therein of the Government employee inventors, including foreign rights; and

WHEREAS as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, we, Robinson E. Pino and Youngok K. Pino, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, our undivided right, title and interest throughout the United States of America, its territories and dependencies, in and to the aforesaid invention RECONFIGURABLE MEMRISTOR-BASED COMPUTING LOGIC described in the aforesaid United States Patent Application, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; we hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as assignee of our undivided right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be granted as fully and entirely as the same would have been held by us, Robinson E. Pino and Youngok K. Pino had this assignment not been made; and we do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, the option to take our undivided right, title and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government

of the United States may file, or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant of an option to take foreign rights in the joint invention, or application for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries within six months of the filing date of any application for United States Letters Patent covering said invention, or within six months from the declassification of said invention, whichever is later, and that all foreign rights in said undivided interest not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in our undivided interest in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the Government of the United States and/or in furtherance of the foreign policies of the Government of the United States, and we, Robinson E. Pino and Youngok K. Pino, hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation of filing of such domestic applications, or for the Government to exercise its option granted hereunder, except that it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

Inventor   
Robinson E. Pino

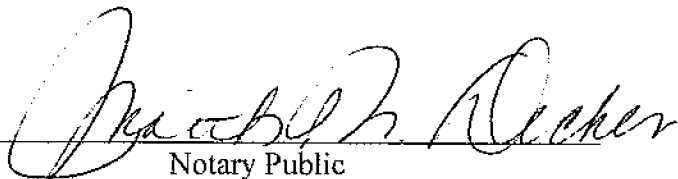
STATE OF NEW YORK

ss:

COUNTY OF ONEIDA

Before me, a Notary Public in and for the county of Oneida and state of New York, on this 8<sup>th</sup> day of SEPTEMBER, 2011, personally appeared Robinson E. Pino, who being duly sworn did say that he is the inventor who signed the above Assignment and acknowledged said Assignment to be his free act and deed.

(Seal)

  
Notary Public

JUDITH M. DECKER  
NOTARY PUBLIC, State of New York  
Appointed in Oneida County

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Commission Expires 16 Nov. 2013

Inventor *Youngok K. Pino*  
Youngok K. Pino

STATE OF NEW YORK

ss:

COUNTY OF ONEIDA

Before me, a Notary Public in and for the county of Oneida and state of New York, on this 8<sup>th</sup> day of SEPTEMBER, 2011, personally appeared Youngok K. Pino, who being duly sworn did say that she is the inventor who signed the above Assignment and acknowledged said Assignment to be her free act and deed.

(Seal)

*Judith M. Decker*  
Notary Public  
JUDITH M. DECKER  
NOTARY PUBLIC, State of New York  
Appointed in Oneida County  
Commission Expires 16 Nov. 2013