

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2953754

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SUPPLEMENTAL ASSIGNMENT RECORDING previously recorded on Reel 033172 Frame 0388. Assignor(s) hereby confirms the ASSIGNMENT ADDING ONE INVENTOR WHOSE NAME WAS INADVERTENTLY LEFT OFF THE DECLARATION AND POA..	
CONVEYING PARTY DATA		
	Name	Execution Date
	QING WU	07/25/2014
RECEIVING PARTY DATA		
Name:	AFRL/RIJ	
Street Address:	26 Electronic Parkway	
City:	Rome	
State/Country:	NEW YORK	
Postal Code:	13441-4514	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	13506856	
CORRESPONDENCE DATA		
Fax Number:	(315)330-7583	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	315.330.2087	
Email:	Judith.Decker@us.af.mil	
Correspondent Name:	AFRL/RIJ	
Address Line 1:	26 ELECTRONIC PARKWAY	
Address Line 4:	ROME, NEW YORK 13441-4514	
ATTORNEY DOCKET NUMBER:	RL10114	
NAME OF SUBMITTER:	JUDITH M DECKER	
SIGNATURE:	/JMD/	
DATE SIGNED:	07/25/2014	
Total Attachments: 4		
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PATENT

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2912560

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	GARRETT S ROSE	05/11/2012
	ROBINSON E PINO	05/10/2012
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		
Property Type	Number	
Application Number:	13506856	
CORRESPONDENCE DATA		
Fax Number:	(315)330-7583	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	315.330.2087	
Email:	Judith.Decker@us.af.mil	
Correspondent Name:	AFRL/RIJ	
Address Line 1:	26 ELECTRONIC PARKWAY	
Address Line 4:	ROME, NEW YORK 13441-4514	
ATTORNEY DOCKET NUMBER:	RL10114	
NAME OF SUBMITTER:	JUDITH M DECKER	
SIGNATURE:	/JMD/	
DATE SIGNED:	06/25/2014	
Total Attachments: 3		
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source=RosePinoAssign#page3.tif		

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

WHEREAS, I, Qing Wu, while employed by the Government of the United States, jointly made an invention with Garrett S. Rose and Robinson E. Pino entitled ELECTRONIC CHARGE SHARING CMOS-MEMRISTOR NEURAL CIRCUIT, being first disclosed and described in U.S. Patent Application 13/506,856 filed on 15/May 2012;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1 (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, I, Qing Wu, 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, my undivided right, title and interest throughout the United States of America, its territories and dependencies, in and to the aforesaid invention ELECTRONIC CHARGE SHARING CMOS-MEMRISTOR NEURAL CIRCUIT 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 my 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 me had this assignment not been made; and I do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, the option to take my 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 me 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 me subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in my 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 I, Qing Wu, 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 I shall not be subject to any out-of-pocket expense relative to such action.

Inventor 
Qing Wu

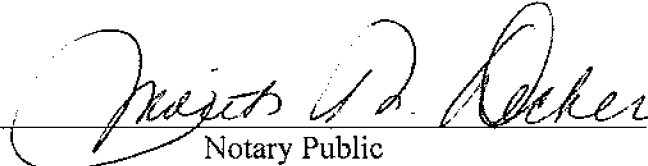
STATE OF NEW YORK

SS:

COUNTY OF ONEIDA

Before me, a Notary Public in and for the county of Oneida and state of New York, on this 25th day of July, 2014, personally appeared Qing Wu, 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
Commission Expires 10 Nov. 2017