

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2835132

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LUNG-YI KUO	04/29/2014
HSIN-YI HO	04/29/2014
CHUN-HSIUNG HUNG	04/29/2014
SHUO-NAN HUNG	04/29/2014
HAN-SUNG CHEN	04/29/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MACRONIX INTERNATIONAL CO., LTD.
<b>Street Address:</b>	NO.16, LI-HSIN RD.
<b>Internal Address:</b>	SCIENCE-BASED INDUSTRIAL PARK
<b>City:</b>	HSINCHU
<b>State/Country:</b>	TAIWAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14265400
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)521-4286
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	678-483-8899
<b>Email:</b>	dan.mcclure@mqlaw.com
<b>Correspondent Name:</b>	MCCLURE, QUALEY & RODACK, LLP
<b>Address Line 1:</b>	3100 INTERSTATE NORTH CIRCLE
<b>Address Line 2:</b>	SUITE 150
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30339
<b>ATTORNEY DOCKET NUMBER:</b>	251310-2021
<b>NAME OF SUBMITTER:</b>	DANIEL R. MCCLURE
<b>SIGNATURE:</b>	/Daniel R. McClure/
<b>DATE SIGNED:</b>	04/30/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b>	

PATENT

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**PATENT**

**REEL: 032784 FRAME: 0954**

**ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT**

**WHEREAS Lung-Yi Kuo, Hsin-Yi Ho, Chun-Hsiung Hung, Shuo-Nan Hung and Han-Sung Chen**

, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to \_

**PROGRAM METHOD, DATA RECOVERY METHOD, AND FLASH MEMORY USING THE SAME**

☒ said application being attached hereto;

☐ said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, as Application Serial No. \_\_\_\_\_, and was amended on \_\_\_\_\_ (if applicable);

☐ the specification of which was filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS MACRONIX INTERNATIONAL CO., LTD., hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**ASSIGNOR (SOLE OR FIRST INVENTOR):**Signature: Lung-Yi KuoLegal Name: Lung-Yi KuoDate: 2016/4/29**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**ASSIGNOR (SECOND INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Hsin-Yi Ho

Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**ASSIGNOR (THIRD INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Chun-Hsiung Hung

Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**ASSIGNOR (FOURTH INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Shuo-Nan Hung

Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**ASSIGNOR (FIFTH INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Han-Sung Chen

Date: \_\_\_\_\_

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**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_**ASSIGNOR (SOLE OR FIRST INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Lung-Yi Kuo

Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_**ASSIGNOR (SECOND INVENTOR):**Signature: Hsin-Yi HoLegal Name: Hsin-Yi HoDate: 4/29/2014**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_**ASSIGNOR (THIRD INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Chun-Hsiung Hung

Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_**ASSIGNOR (FOURTH INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Shuo-Nan Hung

Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_**ASSIGNOR (FIFTH INVENTOR):**

Signature: \_\_\_\_\_

Legal Name: Han-Sung Chen

Date: \_\_\_\_\_

Attorney Reference: \_\_\_\_\_

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**WITNESS:**

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**ASSIGNOR (SOLE OR FIRST INVENTOR):**

Signature: \_\_\_\_\_  
Legal Name: Lung-Yi Kuo  
Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**ASSIGNOR (SECOND INVENTOR):**

Signature: \_\_\_\_\_  
Legal Name: Hsin-Yi Ho  
Date: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**ASSIGNOR (THIRD INVENTOR):**

Signature: Chun Hsiung Hung  
Legal Name: Chun-Hsiung Hung  
Date: 2014/4/29

**WITNESS:**

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**ASSIGNOR (FOURTH INVENTOR):**

Signature: Shuo-Nan Hung  
Legal Name: Shuo-Nan Hung  
Date: 2014/4/29

**WITNESS:**

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**ASSIGNOR (FIFTH INVENTOR):**

Signature: Han-Sung Chen  
Legal Name: Han-Sung Chen  
Date: 2014/4/29