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|-----------------------|---------|--|----------------------------|----------------------------|--|
| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | | |
| CONVEYING PARTY | (DATA | | | | |
| | | Name | | Execution Date | |
| ERH-KUN LAI | | | | 01/04/2016 | |
| HSIANG-LAN LUNG | | | | 01/05/2016 | |
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| State/Country: | TAIWA | N | | | |
| | | | | | |
| PROPERTY NUMBE | | Numbor | | | |
| Property Ty | - | Number | | | |
| Application Number | r: | 15044280 | 4280 | | |
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| NAME OF SUBMITTE | R: | DANIEL R. MCCLURE | DANIEL R. MCCLURE | | |
| SIGNATURE: | | /Daniel R. McClure/ | /Daniel R. McClure/ | | |
| DATE SIGNED: | | 02/16/2016 | 02/16/2016 | | |
| | | This document serves as | an Oath/ | Declaration (37 CFR 1.63). | |
| Fotal Attachments: 2 | | | | | |
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Attorney Reference:

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Erh-Kun Lai and Hsiang-Lan Lung

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

MEMORY STRUCTURE

[X] said application being attached hereto;

| , we the provide the second se | 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 <u>MACRONIX INTERNATIONAL CO. LTD.</u>, 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 assigner, the receipt of which is hereby acknowledged, said assigner 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; successors, 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 assigner might or could have held and enjoyed the same, if this assignment had not been made.

AND said assigner 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.

| | (SOLE OR FIRST INVENTOR): |
|------------|---------------------------|
| Signature: | <u>Erk-Kux Lar</u> |

Legal Name: Erh-Kun Lal

Date: Jan. 04, 2016

McCiure, Qualey & Rodack, LLP. 旺宏編號 P1040171 || 三達編號 US11936PA

ASSIGNOR (SECOND INVENTOR):

Signature

Legal Name: Hsiang-Lan Lung

Date:

PATENT REEL: 037740 FRAME: 0020

amended

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Erh-Kun Lai and Hsiang-Lan Lung

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

MEMORY STRUCTURE

[X] said application being attached hereto;

| L |] said application having been filed in the United States Patent and Trademark Office on | , | |
|---|--|-----|-----|
| | , as Application Serial No, | and | was |

| on | (if applicable); |
|-------|--|
| []the | specification of which was filed under the Patent Cooperation Treaty on, |

Serial No. _____, the United States of America being designated.

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ASSIGNOR (SOLE OR FIRST INVENTOR):

Signature:_____

Legal Name: <u>Erh-Kun Lai</u>

Date:

McClure, Qualey & Rodack, LLP. 旺宏编號 P1040171 || 三達編號 US11936PA

ASSIGNOR (SECOND INVENTOR):

| Signature: | String-dan | rung | |
|-------------|------------|------|--|
| Legal Name: | Hsiang-Lan | Lung | |
| Date: | 01/05/20 | 16 | |

PATENT REEL: 037740 FRAME: 0021

RECORDED: 02/16/2016