

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7116082

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JINGWEN LU	08/06/2021
HAIHAN HUNG	08/06/2021
BINGYU ZHU	07/27/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CHANGXIN MEMORY TECHNOLOGIES, INC.
<b>Street Address:</b>	NO. 388, XINGYE AVENUE, AIRPORT INDUSTRIAL PARK
<b>Internal Address:</b>	ECONOMIC AND TECHNOLOGICAL DEVELOPMENT AREA
<b>City:</b>	HEFEI, ANHUI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	230000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17467556
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 4:</b>	BEIJING, CHINA 100080
<b>ATTORNEY DOCKET NUMBER:</b>	2109639PCT-US-CXMT-CT
<b>NAME OF SUBMITTER:</b>	/YUANMING LIU/
<b>SIGNATURE:</b>	/L/
<b>DATE SIGNED:</b>	01/12/2022
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b>	

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**DECLARATION AND ASSIGNMENT  
FOR PATENT AND DESIGN APPLICATIONS**

<b>Title of Invention</b>	SEMICONDUCTOR STRUCTURE AND MANUFACTURING METHOD THEREOF
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As the below named inventor, I, hereinafter referred to as the undersigned, hereby declare that:

This declaration is directed to:

- ☐ the attached application, or  
☒ United States Application or PCT International Application No. PCT/CN2021/103618  
filed on June 30, 2021 ;  
☒ Claims priority to Chinese Application No. 202010685792.6, filed July 16, 2020  
July 16, 2020, all applications listed above being hereinafter referred to as  
the "application(s)";

The above-identified application was made or authorized to be made by me.

I believe 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.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Whereas, I have invented certain new and useful improvements in the application identified above; and

Whereas,

**[CHANGXIN MEMORY TECHNOLOGIES, INC.]**  
**No. 388, Xingye Avenue, Airport Industrial Park, Economic and Technological**  
**Development Area, Hefei City, Anhui 230000, China**

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned has sold and assigned, and by these presents hereby sells and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

This Assignment is deemed to be effective at least as early as the earliest priority date.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment the application number and filing date and any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

LEGAL NAME OF INVENTORS:

Jingwen LU (Signature) Date: 2021/8/6  
Inventor: Jingwen LU

HAL-HAN HUNG (Signature) Date: 2021/8/6  
Inventor: HAIHAN HUNG

Bingyu ZHU (Signature) Date: 2021/7/27  
Inventor: Bingyu ZHU