12/13/2018 505235831

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5282601

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIFENG ZHU	10/22/2018
ZHENYU LU	10/23/2018
JUN CHEN	10/23/2018
SI PING HU	11/05/2018
XIAOWANG DAI	11/02/2018
LAN YAO	10/22/2018
LI HONG XIAO	10/22/2018
A MAN ZHENG	10/22/2018
KUN BAO	10/22/2018
HAOHAO YANG	10/22/2018

RECEIVING PARTY DATA

Name:	YANGTZE MEMORY TECHNOLOGIES CO., LTD.
Street Address:	18 GAOXIN 4TH ROAD
Internal Address:	EAST LAKE HIGH-TECH DEVELOPMENT ZONE
City:	WUHAN, HUBEI
State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16126947

CORRESPONDENCE DATA

Fax Number: (202)371-2540

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.

Phone: 202-371-2600

Email: DONF@sternekessler.com, dofori@sternekessler.com,

myang@sternekessler.com, ttopssecretary3@sternekessler.com

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. **Correspondent Name:**

Address Line 1: 1100 NEW YORK AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: 4123.0480002

PATENT **REEL: 047770 FRAME: 0470** 505235831

NAME OF SUBMITTER: DONALD J. FEATHERSTONE, REG. NO. 33,876		
SIGNATURE: /Donald J. Featherstone/		
DATE SIGNED:	12/13/2018	
Total Attachments: 4		
source=4123.0480002 - Executed Combined Declaration and Assignment#page1.tif		
source-4123 0480002 - Executed Combined Declaration and Assignment#page2 tif		

source=4123.0480002 - Executed Combined Declaration and Assignment#page1.tif source=4123.0480002 - Executed Combined Declaration and Assignment#page2.tif source=4123.0480002 - Executed Combined Declaration and Assignment#page3.tif source=4123.0480002 - Executed Combined Declaration and Assignment#page4.tif

PATENT REEL: 047770 FRAME: 0471

COMBINED DECLARATION AND ASSIGNMENT

DECLARATION

As the	ne below named inventors, I hereby declare that:	
This d	This declaration is directed to:	
	The attached application, or	
\boxtimes	United States application or PCT international application number <u>16/126,947</u>	
	filed on September 10, 2018	

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.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the below named inventors, each of the below named inventors, hereby sell and assign to Yangtze Memory Technologies Co., Ltd., a corporation formed under the laws of China, whose mailing address is 18 Gaoxin 4th Road, East Lake High-Tech Development Zone, Wuhan, Hubei, China (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as WORD LINE CONTACT STRUCTURE FOR THREE-DIMENSIONAL MEMORY DEVICES AND FABRICATION METHODS THEREOF for which application(s) for patent in the United States of America is identified above, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application identified above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

PATENT REEL: 047770 FRAME: 0472 (c) in any and all inventions described in the patent application identified above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The below named inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The below named inventors agree to execute all papers necessary in connection with any patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such patent enforcement action.

The below named inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The below named inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 26111 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

Page 2 of 4

IN WITNESS WHEREOF, executed by the below named inventors on the date opposite his/her name.

LEGAL NAME OF INVENTOR

Inventor: Jifeng ZHU	Date:	2018.10.22
Signature of Inventor:		
LEGAL NAME OF INVENTOR		
Inventor: Zhenyu LU	Date:	2018.10.23
Signature of Inventor:	h lu	
LEGAL NAME OF INVENTOR		
Inventor: Jun CHEN	Date:	2018.10.23
Signature of Inventor: Jun 4	121)	
LEGAL NAME OF INVENTOR		
Inventor: Si Ping HU	Date:	2018.11.05
Signature of Inventor: S: Ping HI	<i>)</i>	
LEGAL NAME OF INVENTOR		
Inventor: Xiaowang DAI	Date:	2018.11.2
Signature of Inventor: Xlao Wang D	4 (Page 3 of 4	

LEGAL NAME OF INVENTOR	
Inventor: Lan YAO	Date: 2018 . 10 . 22
Signature of Inventor: 1an Yao	
LEGAL NAME OF INVENTOR	
Inventor: Li Hong XIAO	Date: 0,18.10. 22.
Signature of Inventor: Shouf	
LEGAL NAME OF INVENTOR	
Inventor: A Man ZHENG	Date: >0 \(\frac{10.}{2} \)
Signature of Inventor: A Man ZH	ENG
LEGAL NAME OF INVENTOR	
Inventor: Kun BAO	Date: 2018.10.22
Signature of Inventor:	. BAO
LEGAL NAME OF INVENTOR	
Inventor: Haohao YANG	Date:
Signature of Inventor: Hashan ZAN	67
10202996_1.docx	

Page 4 of 4