

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XINGYAO ZHOU	01/31/2018
CHUANLI LENG	01/31/2018
YUAN LI	01/31/2018
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	889 HUIQING RD.
<b>Internal Address:</b>	PUDONG NEW DISTRICT
<b>City:</b>	SHANGHAI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	201201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15889643
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	061706-509511 (042200US)
<b>NAME OF SUBMITTER:</b>	EMILY Y. SHU
<b>SIGNATURE:</b>	/Emily Y. Shu/
<b>DATE SIGNED:</b>	02/07/2018
<b>Total Attachments: 2</b>	
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source=509511_Assignment#page2.tif	

## ASSIGNMENT

WHEREAS ZHOU, Xingyao, a citizen of China, residing at Room 509, Building 1, No.6111 Longdong Rd., Pudong Dist., Shanghai 201201, China,

LENG, Chuanli, a citizen of China, residing at 889 Huiqing Rd., Pudong New District, Shanghai 201201, China.

LI, Yuan, a citizen of China, residing at Room 509, Building 1, No.6111 Longdong Rd., Pudong Dist., Shanghai 201201, China,

hereinafter referred to as "Assignors," are inventors of the invention described and set forth in the below-identified patent application(s):

Title of Invention: PIXEL CIRCUIT, METHOD FOR DRIVING THE SAME, DISPLAY PANEL AND DISPLAY DEVICE

U.S. Application No.: 15/889,643

Filing Date: February 6, 2018

WHEREAS, SHANGHAI TIANMA MICRO-ELECTRONICS CO., LTD., a corporation incorporated under and pursuant to the laws of The People's Republic of China, and having its principal place of business at 889 Huiqing Rd., Pudong New District, Shanghai 201201, China, hereinafter referred to as "Assignees," is desirous of acquiring all of Assignors' right, title, and interest in and to said invention, the right to file applications on said invention, and the right, title and interest in and to any applications, including provisional applications, for Letters Patent of the United States or other countries claiming priority to said applications, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon;

NOW, THEREFORE, for good and valuable consideration, receipt of which are hereby acknowledged by Assignors, Assignors have assigned, transferred and set over, and by these presents do assign, transfer and set over unto Assignees, and Assignee's successors, legal representatives, and assigns, all of Assignors' right, title and interest in and to the above-mentioned invention and application, the right to file applications on said invention, and the right, title and interest in and to any such applications, including provisional applications, and any applications claiming priority from said applications for Letters Patent of the United States or other countries (including patent, utility model and industrial designs), and in and to any Letters Patent or Patents of the United States of America and all foreign countries that have been or may be granted therefor and thereon, and in and to any and all divisions, renewals, substitutions, conversions, continuations, and continuations-in-part of said applications, and reissues, prolongations and extensions of said Letters Patent or Patents, and all rights under the Paris

Convention for the Protection of Industrial Property, including the right to claim priority, the same to be held and enjoyed by Assignees, for its own use and behalf and the use and behalf of Assignee's successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignors had this Assignment not been made;

AND for the same consideration, Assignors hereby covenant and agree to and with Assignees, its successors, legal representatives, and assigns, that Assignors shall, whenever counsel of Assignee, or the counsel of its successors, legal representatives, and assigns, advises that any proceeding in connection with said invention or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, continuation-in-part, substitution or conversion of any applications for Letters Patent or Patents, or any reissue, prolongation or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of Assignee, its successors, legal representatives, and assigns;

AND Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent or Patents of the United States to Assignees as the assignees of said invention and the Letters Patent or Patents issued and to be issued thereon for the use and behalf of Assignees, its successors, legal representatives, and assigns;

AND the undersigned hereby grant(s) an authorized representative of Assignees 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.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

2018-1-31  
Date

ZHOU, Xingyao  
ZHOU, Xingyao

2018-1-31  
Date

LENG, Chuanli  
LENG, Chuanli

2018-1-31  
Date

LI, Yuan  
LI, Yuan