

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3653900

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
ZHIPENG LIU	11/23/2015
XIANGXIANG ZHANG	11/23/2015
SHAOFA LAN	11/23/2015

## RECEIVING PARTY DATA

<b>Name:</b>	SHANGHAI TIANMA MICRO-ELECTRONICS CO., LTD.
<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>Name:</b>	TIANMA MICRO-ELECTRONICS CO., LTD.
<b>Street Address:</b>	22/F HANGDU BUILDING
<b>Internal Address:</b>	SHENNAN ROAD, FUTIAN DISTRICT
<b>City:</b>	SHENZHEN
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518052

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14965832

## CORRESPONDENCE DATA

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*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.*

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<b>ATTORNEY DOCKET NUMBER:</b>	505685.000045
<b>NAME OF SUBMITTER:</b>	KELSEY DEHNE
<b>SIGNATURE:</b>	/kelseydehne/
<b>DATE SIGNED:</b>	12/11/2015
<b>Total Attachments: 2</b> source=505685 000045#page1.tif source=505685 000045#page2.tif	

# COMBINED DECLARATION & ASSIGNMENT

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Title: TFT ARRAY SUBSTRATE, LIQUID  
CRYSTAL DISPLAY PANEL AND LIQUID  
CRYSTAL DISPLAY DEVICE

## ASSIGNMENT

WHEREAS, I, LIU, Zhipeng, ZHANG, Xianxiang and LAN, Shaofa have invented certain new and useful improvements as described in U.S. patent application, entitled TFT ARRAY SUBSTRATE, LIQUID CRYSTAL DISPLAY PANEL AND LIQUID CRYSTAL DISPLAY DEVICE, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office ("USPTO") by Application No. 14/965,832, filed December 10, 2015 ("Invention"); and

WHEREAS, Shanghai Tianma Micro-Electronics Co., Ltd., a Corporation of the Country of Peoples' Republic of China, and having an address of 889 Huiqing Rd., Pudong New District, Shanghai 201201, China; and Tianma Micro-Electronics Co., Ltd., a Corporation of the Country of Peoples' Republic of China, and having an address of 22/F, Hangdu Building, Shennan Road, Futian District, Shenzhen 518052, China (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

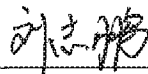
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuation-in-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

I authorize the Assignee to insert in this instrument the filing date and application number of the application when ascertained. I hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

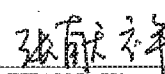
I represent to the Assignee that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

## DECLARATION

I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe I am an original or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me. I am aware of and acknowledge my duty to disclose to the USPTO all information known to me to be material to patentability of the claims in the above-identified patent application. I 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.

  
LIU, Zhipeng

Date 2015. 11. 23

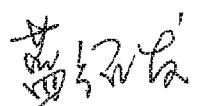
  
ZHANG, Xianxiang

Date 2015. 11. 23

**COMBINED DECLARATION  
& ASSIGNMENT**

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Title: TFT ARRAY SUBSTRATE, LIQUID  
CRYSTAL DISPLAY PANEL AND LIQUID  
CRYSTAL DISPLAY DEVICE

  
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LAN, Shaofa

Date

2015.11.23