

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xuhui PENG</td> <td>07/20/2010</td> </tr> <tr> <td>Zhihua LING</td> <td>07/20/2010</td> </tr> <tr> <td>Xinghua NIE</td> <td>07/20/2010</td> </tr> <tr> <td>Sitao HUO</td> <td>07/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	Xuhui PENG	07/20/2010	Zhihua LING	07/20/2010	Xinghua NIE	07/20/2010	Sitao HUO	07/20/2010
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<b>RECEIVING PARTY DATA</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (248)641-0270</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-641-1600</p> <p>Email: rvanleuven@hdp.com</p> <p>Correspondent Name: Harness, Dickey &amp; Pierce, P.L.C.</p> <p>Address Line 1: P.O. Box 828</p> <p>Address Line 2: Michael Malinzak</p> <p>Address Line 4: Bloomfield Hills, MICHIGAN 48303</p>											
ATTORNEY DOCKET NUMBER:	15157-000036/US/NP										
NAME OF SUBMITTER:	Ruth M. Van Leuven										
Total Attachments: 3											

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**PATENT**  
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Harness, Dickey & Pierce, P.L.C.  
P. O. Box 828, Bloomfield Hills,  
Michigan 48303

**ASSIGNMENT**

**WHEREAS, WE,**

Xuhui PENG  
889 Huiqing Rd., Pudong New  
District, Shanghai 201201,  
P.R. China;

Zihua LING  
889 Huiqing Rd., Pudong New  
District, Shanghai 201201,  
P.R. China;

Xinghua NIE  
889 Huiqing Rd., Pudong New  
District, Shanghai 201201,  
P.R. China;

Sitao HUO  
889 Huiqing Rd., Pudong New  
District, Shanghai 201201,  
P.R. China

have invented and own a certain invention entitled:

**TRANSFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on August 4, 2010, under U.S. Application No. 12/866,174, as the National Phase of PCT/CN2009/070541 filed on February 26, 2009; and

**WHEREAS, SHANGHAI TIANMA MICRO-ELECTRONICS CO., LTD.**, of 889 Huiqing Rd., Pudong New District, Shanghai 201201, P.R. China, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

In re Appln. of et al.  
Attorney Docket No. 15157-000036/US/NP

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date <u>2010.07.20</u>	<u>彭旭晖</u> Xuhui PENG
Date <u>2010.07.20</u>	<u>吴勇</u> Witness
Date <u>2010.07.20</u>	<u>任娇燕</u> Witness

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Date <u>2010.07.20</u>	<u>吴玲</u> Zhihua LING
Date <u>2010.07.20</u>	<u>吴勇</u> Witness
Date <u>2010.07.20</u>	<u>任娇燕</u> Witness

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Date <u>2010.07.20</u>	<u>邢华</u> Xinghua NIE
Date <u>2010.07.20</u>	<u>吴勇</u> Witness
Date <u>2010.07.20</u>	<u>任娇燕</u> Witness

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Attorney Docket No. 15157-000036/US/NP

Date 2010.7.20

霍思涛  
Sitao HUO

Date 2010.7.20

姜禹  
Witness

Date 2010.7.20

任妍燕  
Witness

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