

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chunghwa Picture Tubes Ltd.	07/28/2011
RECEIVING PARTY DATA	
Name:	Intellectual Ventures Fund 82 LLC
Street Address:	2711 Centerville Road
Internal Address:	Suite 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13428306
CORRESPONDENCE DATA	
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Phone:	2155683100
Email:	Assignments@woodcock.com
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Correspondent Name:	Woodcock Washburn LLP
Address Line 1:	2929 Arch Street
Address Line 2:	Cira Centre, 12th Floor
Address Line 4:	Philadelphia, PENNSYLVANIA 19104
ATTORNEY DOCKET NUMBER:	**82-0072
NAME OF SUBMITTER:	Robin L. Parmelee
Total Attachments: 18 source=Chunghwa Picture Tubes Assignment Exhibit B#page1.tif	

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Exhibit B

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Chunghwa Picture Tubes Ltd., a Taiwanese company, with an office at No. 1127, Heping Rd., Bade City, Taoyuan, Taiwan, 334 (R.O.C.) ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Fund 82 LLC, a Delaware limited liability company, having an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
DE102006019372.5	DE	04/23/2006	Arrangement of active elements and procedures for testing an array of active elements Jen, Chien-Chih
FR0651562	FR	05/02/2006	Testing an array of active devices Jen, Chien-Chih
TWI271679	TW	05/03/2005	Array of active devices and method for testing an array of active devices Jen, Chien-Chih
DE102006020814.5	DE	05/04/2006	Liquid crystal display panel and method for fabricating color filter substrate Li, Yu-Zhi
FR2892530	FR	05/24/2006	Liquid crystal display panel and method for fabricating color filter substrate Li, Yu-Zhi
GB2431477	GB	05/03/2006	Liquid crystal display panel and method for fabricating color filter substrate

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Li, Yu-Zhi
GB2442370	GB	05/03/2006	Liquid crystal display panel and method for fabricating color filter substrate Li, Yu-Zhi
TWI282466	TW	10/24/2005	Liquid crystal display panel and method for fabricating color filter Li, Yu-Zhi
7561437	US	06/22/2005	Electronic element module and electronic device using the same Yu, Liang-Ming
TW094116052	TW	05/18/2005	Electronic element module and electronic device using the same Yu, Liang-Ming
CNZL200510076977.2	CN	06/13/2005	Electronic component module and electronic device using the same Yu, Liang-Ming
6838810	US	03/21/1997	Flat-panel display mounting system for portable computer Bovio, Michele
7310222	US	12/06/2004	Flat-panel display mounting system for portable computer Bovio, Michele
6921698	US	09/29/2003	Thin film transistor and fabricating method thereof Lee, Yu-Chou
TWI301330	TW	07/11/2003	Thin film transistor and fabricating method thereof Lee, Yu-Chou

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
6991349	US	12/30/2002	Fixing apparatus for light source conductive wire of backlight module Wang, Yao-Tung
TWI240833	TW	09/26/2003	Fixing apparatus for light source conductive wire of backlight module Wang, Yao-Tung
JP3902175	JP	11/14/2003	Method for forming cooper line on liquid crystal panel Lee, Yu-Chou
TWI206132	TW	04/16/2003	Manufacturing method and structure of copper lines for a liquid crystal panel Lee, Yu-Chou
6979242	US	05/29/2003	Manufacturing method and structure of copper lines for a liquid crystal panel Lee, Yu-Chou
7068342	US	03/03/2005	Liquid crystal display panel and method for fabricating the same Lee, Ming-Shu
JP4242368	JP	07/21/2005	Liquid crystal display panel and a method for manufacturing the same Lee, Ming-Shu
7561223	US	03/09/2005	Device and method for protecting gate terminal and lead Chu, Hung-Jen
7345732	US	09/29/2004	Liquid crystal display panel and manufacturing method thereof

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Liu, Meng-Chi
7639340	US	12/24/2007	Manufacturing method of liquid crystal display panel Liou, Meng-Chi
7408190	US	07/05/2005	Thin film transistor and method of forming the same Tsao, Wen-Kuang
7807519	US	06/25/2008	Method of forming thin film transistor Tsao, Wen-Kuang
7463326	US	01/06/2006	Tape carrier package and liquid crystal display panel Chen, Po-Lung
TWI315421	TW	09/14/2005	Tape carrier package and liquid crystal display panel Chen, Po-Lung
7479666	US	08/24/2005	Driving circuit of a liquid crystal display panel Wu, Ming-Zen
7667245	US	12/11/2008	Driving circuit of a liquid crystal display panel Wu, Ming-Zen
7508036	US	09/08/2005	Thin film transistor and manufacturing process thereof Hsu, Min-Ching
7666725	US	12/18/2008	Manufacturing process of thin film transistor Hsu, Min-Ching
6908203	US	09/02/2003	Backlight module of liquid crystal display Yu, Hong-Tien

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
TWM247857	TW	04/10/2003	Backlight module of liquid crystal display Yu, Hong-Tien
6820992	US	09/13/2002	Backlight module device Yu, Hong-Tien
TWM210929	TW	09/14/2001	Backlight module device Yu, Hong-Tien
6737305	US	01/27/2003	Thin film transistor manufacture method Lee, Yu-Chou
6977193	US	03/12/2004	Thin film transistor manufacture method Lee, Yu-Chou
TWI180016	TW	05/31/2002	Thin film transistor manufacture method Lee, Yu-Chou
7038751	US	09/23/2003	Liquid crystal display and the manufacturing method thereof Lee, Jiahn-Lin
TWI254182	TW	06/13/2003	Liquid crystal display and the manufacturing method thereof Lee, Jiahn-Lin
7514717	US	03/16/2007	Light emitting diode Chen, Ching-Chung
TWI255055	TW	06/29/2005	Light emitting diode and method for improving luminescence efficiency thereof Chen, Ching-Chung
7471354	US	11/29/2005	Backlight module and liquid crystal display

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Chen, Shin-Chang
TWI282473	TW	11/23/2005	Backlight module and liquid crystal display
			Chen, Shin-Chang
6860753	US	09/16/2002	Light source for flat panel display device and backlight module using the same
			Wang, Yao-Dong
TWM200909	TW	09/20/2001	Flat panel display used light source of stretch resistance
			Wang, Yao-Dong
7501652	US	07/03/2003	Thin film transistor structure and manufacturing method thereof
			Lee, Yu-Chou
TWI188025	TW	09/09/2002	Thin film transistor source/drain structure and manufacturing method thereof
			Lee, Yu-Chou
TWI185141	TW	03/06/2002	Barrier rib structure for plasma display panel
			Kao, Hsu-Pin
6737804	US	03/21/2002	Barrier rib structure for plasma display panel
			Kao, Hsu-Pin
TWI259488	TW	03/06/2002	Barrier rib structure for plasma display panel
			Kao, Hsu-Pin
6720732	US	03/27/2002	Barrier rib structure for plasma display panel
			Kao, Hsu-Pin
TWI286336	TW	01/24/2003	Discharge electrode structure of plasma display panel

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Lin, Chun-Hsu
6838826	US	01/28/2003	Discharge electrode structure of plasma display panel
			Lin, Chun-Hsu
TWI251942	TW	01/06/2004	Package structure of light-emitting diode
			Ting, Chu-Chi
6881980	US	06/17/2004	Package structure of light emitting diode
			Ting, Chu-Chi
TWI280094	TW	01/14/2005	Display device and detachable radiating structure
			Chen, Sheng-Hsin
7064952	US	02/01/2005	Display device with detachable heat-sink structure thereof
			Chen, Sheng-Hsin
CNZL200510004864.1	CN	02/03/2005	Display device and detachable radiating structure thereof
			Chen, Sheng-Hsin
TWM261715	TW	06/24/2004	Engaging structure of backlight module
			Chu, Kuo-Liang
6974242	US	08/10/2004	Engaging structure of backlight module
			Chu, Kuo-Liang
TWI256507	TW	09/20/2004	Backlight module and feedback circuit structure thereof
			Chang, Ching-Lung
7173812	US	10/11/2004	Backlight module and feedback circuit structure

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			thereof Chang, Ching-Lung
CNZL200410084034.X	CN	10/18/2004	Backlight module and its feedback circuit structure Chang, Ching-Lung
TWI241440	TW	07/14/2004	Backlight module for increasing uniformity Liao, Cheng-Min
7134767	US	07/26/2004	Structure for improving backlight uniformity Liao, Cheng-Min
TWI241613	TW	12/07/2004	Back plate and plasma display device structure Fu, Tsao-Yuan
7167365	US	01/17/2005	Back plate structure and plasma display apparatus Fu, Tsao-Yuan
CNZL200510080344.9	CN	07/01/2005	Active element array and detection method for same Jen, Chien-Chih
7098987	US	08/24/2005	Array of active devices and method for testing an array of active devices Jen, Chien-Chih
TWI249373	TW	12/01/2004	Device for decreasing the temperature from address ic of plasma display panel and the method thereof Chang, Yuan-Jing
7262968	US	12/15/2004	Device for decreasing the temperature from address ic of plasma display panel and the method thereof

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Chang, Yuan-Jing
TWI263962	TW	04/12/2004	Method and system for reducing residual image effect of liquid crystal display after turned off Yeh, Liang-Hua
7358944	US	04/16/2004	Method and system for reducing residual image effect of liquid crystal display after turned off Yeh, Liang-Hua
TWM262966	TW	07/07/2004	Mold frame for liquid crystal display module Liao, Kuo-Dong
7301589	US	08/10/2004	Mold frame for liquid crystal display module Liao, Kuo-Dong
TWI252936	TW	11/18/2004	Displacement-designed color filter structure and method of forming the same Wang, Ying-Jie
7349045	US	11/24/2004	Displacement-designed color filter structure and method of forming the same Wang, Ying-Jie
TWI277791	TW	02/22/2005	Liquid crystal display device and inspection method thereof Wu, Ming-Zen
7411643	US	03/03/2005	Liquid crystal display device and inspection method thereof Wu, Ming-Zen
CNZL200510055127.4	CN	03/17/2005	Lcd panel and its detection method

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Wu, Ming-Zen
TWI281273	TW	09/06/2005	A backlight module and a light-emitting-diode package structure therefor
			Chiu, Tien-Lung
7339202	US	09/21/2005	Backlight module and a light-emitting-diode package structure therefor
			Chiu, Tien-Lung
TWI310110	TW	12/09/2005	Backlight module
			Peng, Kuo-Chiang
7367707	US	12/16/2005	Backlight module
			Peng, Kuo-Chiang
TW095104124	TW	02/07/2006	Liquid crystal display
			Chiu, Hsien-Ching
7567331	US	02/07/2006	Liquid crystal display
			Chiu, Hsien-Ching
CNZL200610009005.6	CN	02/16/2006	Liquid crystal display
			Chiu, Hsien-Ching
CNZL200510116605.8	CN	10/26/2005	Manufacturing method of liquid crystal display panel and color filter substrate
			Li, Yu-Zhi
7466384	US	11/08/2005	Liquid crystal display panel and method for fabricating color filter substrate
			Li, Yu-Zhi
7471370	US	02/10/2006	Columnar spacer for liquid crystal display
			Wu, Der-Chun
TWI259310	TW	03/17/2004	A liquid crystal display with

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			electro-static discharge protection Liou, Meng-Chi
CNZL200510092443.9	CN	08/16/2005	Liquid crystal display faceplate with static discharge protection Liou, Meng-Chi
7477333	US	08/30/2005	Liquid crystal display panel with electrostatic discharge protection Liou, Meng-Chi
7534010	US	12/28/2006	Backlight module Yeh, Ke-Ming
TW096100202	TW	01/03/2007	Backlight module Yeh, Ke-Ming
CN200710003855.X	CN	01/09/2007	Backlight component Yeh, Ke-Ming
TWI322307	TW	11/03/2005	Method for improving color purity of light source module and fluorescent lamp and led device applying the method Huang, Chun-Yeh
7537356	US	11/11/2005	Method for improving color purity of light source module and fluorescent lamp and led device applying the method Huang, Chun-Yeh
CNZL200510115956.7	CN	11/11/2005	Method for improving color purity of light source module and light source module using the same method Huang, Chun-Yeh
7683990	US	12/13/2006	Multi-domain vertical

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			alignment liquid crystal display panel Li, De-Jiun
TW096100089	TW	01/02/2007	Multi-domain vertical alignment liquid crystal display panel Li, De-Jiun
7408198	US	02/13/2006	Thin film transistor, thin film transistor array and repairing method thereof Liu, Wen-Hsiung
TWI296158	TW	02/20/2006	Thin film transistor, thin film transistors array substrate and repairing method thereof Liu, Wen-Hsiung
CNZL200610058322.7	CN	03/01/2006	Thin-film transistor array and its repairing method Liu, Wen-Hsiung
TWI330502	TW	08/16/2005	Method of manufacturing an amoled Chen, Chen-Ming
7381596	US	09/26/2005	Method of manufacturing an amoled Chen, Chen-Ming
TWI344317	TW	09/26/2005	Method of manufacturing an amoled Chen, Chen-Ming
7459351	US	08/16/2007	Method of manufacturing an amoled Chen, Chen-Ming
JP3928068	JP	01/21/2003	Fixing device for light source conducting wire of backlight module

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Wang, Yao-Tung
TWI269920	TW	03/16/2005	Liquid crystal display panel and method for fabricating the same Lee, Ming-Shu
CNZL200510068208.8	CN	04/29/2005	Liquid-crystal display panel and its production Lee, Ming-Shu
TWI204774	TW	03/28/2003	Device and method for protecting gate terminal and lead Chu, Hung-Jen
JP4489408	JP	11/07/2003	Device and method protecting gate terminal and lead wiring Chu, Hung-Jen
TWI256498	TW	09/16/2004	Liquid crystal display panel and manufacturing method thereof Liu, Meng-Chi
JP4194998	JP	12/27/2004	Liquid crystal display panel and manufacturing method thereof Liu, Meng-Chi
CNZL200410088437.1	CN	11/03/2004	Liquid crystal panel and method for manufacturing the same Liu, Meng-Chi
TWI290769	TW	07/15/2005	Thin film transistor and method of forming the same Tsao, Wen-Kuang
CNZL200510085025.7	CN	07/19/2005	Film transistor and its forming method

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Tsao, Wen-Kuang
CNZL200510117225.6	CN	11/01/2005	Liquid crystal display faceplate device, and tape coiling type encapsulation for the liquid crystal display faceplate device Chen, Po-Lung
TWI254265	TW	08/24/2005	Driving circuit of a liquid crystal display panel Wu, Ming-Zen
CNZL200510099236.6	CN	09/07/2005	Driving circuit for liquid crystal display panel Wu, Ming-Zen
TWI268618	TW	09/06/2005	Thin film transistor and manufacturing process thereof Hsu, Min-Ching
CNZL200510103050.3	CN	09/15/2005	Thin film transistor and producing method thereof Hsu, Min-Ching
CNZL200510080526.6	CN	07/04/2005	Light-emitting-diode and method for improving lighting efficiency of same Chen, Ching-Chung
CNZL200510124259.8	CN	11/29/2005	Back-light module and liquid crystal display Chen, Shin-Chang
7705927	US	12/28/2007	Pixel Structure Having A Second Tft Electrically Connected To A Coupling Electrode Formed Over And Electrically Insulated From The Data Line Ming-Hsuan Chang
CNZL200610172819.1	CN	12/28/2006	Pixel Structure Having A Second Tft Electrically

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Connected To A Coupling Electrode Formed Over And Electrically Insulated From The Data Line Ming-Hsuan Chang
TW096100087	TW	01/02/2007	PIXEL AND LIQUID CRYSTAL DISPLAY PANEL Ming-Hsuan Chang

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Patents;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceedings brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Taiwan
_____ on July, 28, 2011.

ASSIGNOR:

Chunghwa Picture Tubes Ltd.

By: Sheng-Chang Lin
Name: Sheng-Chang Lin
Title: President
(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Sheng-Chang Lin to the above Assignment of Patent Rights on behalf of Chunghwa Picture Tubes Ltd. and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Sheng-Chang Lin is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on July 28, 2011 to execute the above Assignment of Patent Rights on behalf of Chunghwa Picture Tubes Ltd.
3. Sheng-Chang Lin subscribed to the above Assignment of Patent Rights on behalf of Chunghwa Picture Tubes Ltd.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on July 28, 2011 (date)

Hui - Chung Sen
Print Name: Hui - Chung Sen