

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yi-Rong WANG</td> <td>12/30/2011</td> </tr> <tr> <td>Chih-Lung CHIN</td> <td>12/30/2011</td> </tr> <tr> <td>Wan-Chi CHEN</td> <td>12/30/2011</td> </tr> <tr> <td>Kung-Lung CHENG</td> <td>12/30/2011</td> </tr> <tr> <td>Shih-Hsien LIU</td> <td>12/30/2011</td> </tr> </tbody> </table>		Name	Execution Date	Yi-Rong WANG	12/30/2011	Chih-Lung CHIN	12/30/2011	Wan-Chi CHEN	12/30/2011	Kung-Lung CHENG	12/30/2011	Shih-Hsien LIU	12/30/2011
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<table border="1"> <tr> <td>Name:</td> <td>Industrial Technology Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>No. 195, Sec. 4, Chung Hsing Rd.</td> </tr> <tr> <td>City:</td> <td>Chutung, Hsinchu</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> <tr> <td>Postal Code:</td> <td>31040</td> </tr> </table>		Name:	Industrial Technology Research Institute	Street Address:	No. 195, Sec. 4, Chung Hsing Rd.	City:	Chutung, Hsinchu	State/Country:	TAIWAN	Postal Code:	31040		
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CORRESPONDENCE DATA													
<p> Fax Number: (703)205-8050 Phone: 703-205-8000 Email: mailroom@bskb.com, morgans@bskb.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Birch, Stewart, Kolash & Birch, LLP. Address Line 1: P. O. Box 747 Address Line 4: Falls Church, VIRGINIA 22040-0747 </p>													
ATTORNEY DOCKET NUMBER:	0941-2550PUS1												
NAME OF SUBMITTER:	Craig A. McRobbie												
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CH \$40.00 13340206

ASSIGNMENT

WHEREAS, Yi-Rong WANG, Chih-Lung CHIN, Wan-Chi CHEN, Kung-Lung CHENG and Shih-Hsien LIU hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Liquid crystal compounds, and liquid crystal displays and photochromic materials comprising the Liquid crystal compounds

Title: _____

Filed: December 29, 2011

Serial No. 13/340,206

Executed on: December 30, 2011

WHEREAS, Industrial Technology Research Institute of No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu 31040, Taiwan, R. O. C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee; and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

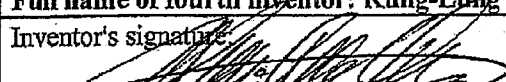
Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Full name of sole or first inventor: Yi-Rong WANG	
Inventor's signature: <i>Yi-Rong Wang</i>	Date: December 30, 2011

Full name of second inventor: Chih-Lung CHIN	
Inventor's signature: <i>Chih-Lung Chin</i>	Date: December 30, 2011

Full name of third inventor: Wan-Chi CHEN	
Inventor's signature: <i>WAN - CHI CHEN</i>	Date: December 30, 2011

Full name of fourth inventor: Kung-Lung CHENG	
Inventor's signature: 	Date: December 30, 2011

Full name of fifth inventor: Shih-Hsien LIU	
Inventor's signature: <i>Shih-Hsien Liu</i>	Date: December 30, 2011