

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>Mitsutaka OKITA</td> <td>03/22/2012</td> </tr> <tr> <td>Kazuhiro NISHIYAMA</td> <td>03/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mitsutaka OKITA	03/22/2012	Kazuhiro NISHIYAMA	03/22/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Toshiba Mobile Display Co., Ltd.,</td> </tr> <tr> <td>Street Address:</td> <td>1-9-2, Hatara-cho</td> </tr> <tr> <td>City:</td> <td>Fukaya-shi, Saitama</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>366-0032</td> </tr> </table>		Name:	Toshiba Mobile Display Co., Ltd.,	Street Address:	1-9-2, Hatara-cho	City:	Fukaya-shi, Saitama	State/Country:	JAPAN	Postal Code:	366-0032
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (703)413-2220</p> <p>Phone: (703) 413-3000</p> <p>Email: aworden@oblon.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	397224US2										
NAME OF SUBMITTER:	Alva T. Worden										
<p>Total Attachments: 2</p> <p>source=397224USASSIGN#page1.tif</p> <p>source=397224USASSIGN#page2.tif</p>											

OP \$40.00 13432564

ASSIGNMENT

KWG660033-USA-A
(11S1098)

In consideration of value received, I, having a mailing address at
c/o Intellectual Property Division, Toshiba Mobile Display Co., Ltd., 1-9-2,
Hatara-cho, Fukaya-shi, Saitama 366-0032, Japan, and a residence as stated below
next to my name, the sole inventor (if only one name is listed below) or a joint
inventor (if plural inventors are listed below) of an invention described in an
application for United States patent entitled:

LIQUID CRYSTAL SHUTTER COMPONENT AND LIQUID CRYSTAL SHUTTER

said application having been filed on
and assigned Application No. ;
sell and assign to
Toshiba Mobile Display Co., Ltd.
a corporation of Japan, having a business address at
1-9-2, Hatara-cho, Fukaya-shi, Saitama 366-0032, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire
right, title and interest in and to said invention as disclosed, shown and described
in said application for United States patent : (check one)

☒ [X] executed concurrently herewith;
☐ [] executed separately herefrom;

and in and to all applications for patent and patents for said invention including all
divisions, reissues, continuations, substitutions and extensions thereof and all
rights arising under or pursuant to any and all international agreements, treaties
or laws relating to the protection of industrial property, including rights of priority,
resulting from the filing of any of said applications; and I authorize and request
any official whose duty is to issue patents, to issue any patent on said invention or
resulting therefrom to said Assignee, and I agree that on request and without
further consideration, but at the expense of said Assignee, I will communicate to
said Assignee or its representatives all facts known to me respecting said invention
and testify in any legal proceeding, sign all lawful papers, execute all divisional,
continuing, reissue or other applications, make all rightful oaths and declarations,
and generally do everything possible to aid said Assignee to obtain and enforce
proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any
further identification which may be necessary or desirable in order to comply with
the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria,
VA 22314

PATENT
REEL: 027947 FRAME: 0538

A S S I G N M E N T

<u>Inventor: (Signature)</u>	<u>Date</u>	<u>Residence</u>
<u>Mitsutaka Okita</u> Mitsutaka Okita	<u>2012. 3. 22</u>	<u>Hakusan-shi, Japan</u>
<u>Kazuhiro Nishiyama</u> Kazuhiro Nishiyama	<u>2012. 3. 22</u>	<u>Kanazawa-shi, Japan</u>