

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<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>Nobuhiko Takeshita</td> <td>10/28/2010</td> </tr> <tr> <td>Teppei Konishi</td> <td>10/27/2010</td> </tr> <tr> <td>Hiroshi Kumai</td> <td>10/27/2010</td> </tr> </tbody> </table>		Name	Execution Date	Nobuhiko Takeshita	10/28/2010	Teppei Konishi	10/27/2010	Hiroshi Kumai	10/27/2010		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>ASAHI GLASS COMPANY, LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>12-1, Yurakucho 1-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>Japan</td> </tr> <tr> <td>Postal Code:</td> <td>100-8405</td> </tr> </table>		Name:	ASAHI GLASS COMPANY, LIMITED	Street Address:	12-1, Yurakucho 1-chome, Chiyoda-ku	City:	Tokyo	State/Country:	Japan	Postal Code:	100-8405
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CORRESPONDENCE DATA											
<p>Fax Number: (703)413-2220 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (703) 413-3000</p> <p>Email: sgreen@oblon.com</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:	371668US										
NAME OF SUBMITTER:	Sheila Green										
<p>Total Attachments: 2</p> <p>source=371668USASSIGNMENT#page1.tif</p> <p>source=371668USASSIGNMENT#page2.tif</p>											

OP \$40.00 12952430

PATENT

501359184

REEL: 025398 FRAME: 0379

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Nobuhiko Takeshita of Koriyama-shi, Fukushima, Japan,
Teppei Konishi of Koriyama-shi, Fukushima, Japan and
Hiroshi Kumai of Koriyama-shi, Fukushima, Japan

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: COMPOUND, POLYMERIZABLE LIQUID CRYSTAL
COMPOSITION, OPTICAL ELEMENT AND OPTICAL INFORMATION WRITING/READING DEVICE

(Application No. 12/952,430, filed 11/23/2010), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, Asahi Glass Company, Limited

(hereinafter referred to as "ASSIGNEE") having a place of business at: 12-1, Yurakucho 1-chome, Chiyoda-ku,
TOKYO 100-8405, JAPAN is desirous of acquiring the entire right, title and interest in and to said invention and in
and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any
and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby
acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer
unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial
possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which
may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in
and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions
and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the
assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE,
its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and
entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 10.28.2010

Nobuhiko Takeshita
(Signature of Inventor) Nobuhiko Takeshita

Date: 10.27.2010.

Teppei Konishi
(Signature of Inventor) Teppei Konishi

Date: 10.27.2010

Hiroshi Kumai
(Signature of Inventor) Hiroshi Kumai

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314