

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Yunyi LU</td> <td>01/31/2012</td> </tr> <tr> <td>Wenjing XIAO</td> <td>01/24/2012</td> </tr> <tr> <td>Robert W. WALTERS</td> <td>01/24/2012</td> </tr> <tr> <td>Feng WANG</td> <td>01/24/2012</td> </tr> <tr> <td>M. Frank HALEY</td> <td>01/24/2012</td> </tr> <tr> <td>Jason R. LEWIS</td> <td>01/26/2012</td> </tr> <tr> <td>Anu CHOPRA</td> <td>01/24/2012</td> </tr> <tr> <td>Beon-Kyu KIM</td> <td>01/24/2012</td> </tr> <tr> <td>Huayun YU</td> <td>01/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yunyi LU	01/31/2012	Wenjing XIAO	01/24/2012	Robert W. WALTERS	01/24/2012	Feng WANG	01/24/2012	M. Frank HALEY	01/24/2012	Jason R. LEWIS	01/26/2012	Anu CHOPRA	01/24/2012	Beon-Kyu KIM	01/24/2012	Huayun YU	01/24/2012
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Huayun YU	01/24/2012																				
RECEIVING PARTY DATA																					
Name:	TRANSITIONS OPTICAL, INC.																				
Street Address:	9251 Belcher Road																				
City:	PINELLAS PARK																				
State/Country:	FLORIDA																				
Postal Code:	33782																				
PROPERTY NUMBERS Total: 1																					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13302316</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13302316																
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Application Number:	13302316																				
CORRESPONDENCE DATA																					
Fax Number:	(412)434-4292																				
Phone:	4124342922																				
Email:	altman@ppg.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:	PPG INDUSTRIES INC																				
Address Line 1:	ONE PPG PLACE - 39TH FLOOR																				
Address Line 2:	LAW DEPARTMENT - INTELLECTUAL PROPERTY																				

Address Line 4: PITTSBURGH, PENNSYLVANIA 15272-0001

ATTORNEY DOCKET NUMBER:

2031D1-P1-P1

NAME OF SUBMITTER:

Deborah M. Altman

Total Attachments: 11

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ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from **TRANSITIONS OPTICAL, INC.**, a Delaware corporation, having a place of business at Pinellas Park, Florida, and intending to be legally bound hereby, we,

<u>NAME</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE</u>
Yunyi Lu	Cockeysville	Baltimore	Maryland
Wenjing Xiao	Murrysville	Westmoreland	Pennsylvania
Robert W. Walters	Export	Westmoreland	Pennsylvania
Feng Wang	Export	Westmoreland	Pennsylvania
M. Frank Haley	Glenshaw	Allegheny	Pennsylvania
Jason R. Lewis	Monaca	Beaver	Pennsylvania
Anu Chopra	Pittsburgh	Allegheny	Pennsylvania
Beon-Kyu Kim	Gibsonia	Allegheny	Pennsylvania
Huayun Yu	Monroeville	Allegheny	Pennsylvania

do hereby sell, assign and set over unto **TRANSITONS OPTICAL, INC.**, the entire right, title and interest in and to our invention entitled:

PHOTOCHROMIC COMPOUNDS HAVING AT LEAST TWO PHOTOCHROMIC MOIETIES

as set forth in our application for Letters Patent of the United States of America, executed by

Yunyi Lu on 1/31/2012,
Wenjing Xiao on 1/24/2012,
Robert W. Walters on 1/24/12,
Feng Wang on 1/24/2012,
M. Frank Haley on 1/24/2012,
Jason R. Lewis on 1/26/2012,
Anu Chopra on 1/24/2012,
Beon-Kyu Kim on 1/24/2012, and
Huayun Yu on 01/24/2012

in and for the United States and all foreign countries, the same to be held and enjoyed by **TRANSITIONS OPTICAL, INC.**, its successors, assigns, or legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made by us.

AND WE HEREBY AUTHORIZE **TRANSITIONS OPTICAL, INC.**, to make application for and to receive Letters Patent for said invention in any or all foreign countries in its own name, or in any name, at its election.

AND WE HEREBY COVENANT AND AGREE that we will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that we will at any time, upon the request and at the expense of **TRANSITIONS OPTICAL, INC.**, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor, in **TRANSITIONS OPTICAL, INC.**, its successors, assigns, or other legal representatives, and that we will, at any time, upon the request and at the expense of **TRANSITIONS OPTICAL, INC.**, testify in any legal proceeding, sign all lawful papers, execute any additional, divisional, continuing or reissue applications for patents for said invention, or any part or parts thereof, make all rightful oaths and generally do all lawful acts to aid **TRANSITIONS OPTICAL, INC.**, its successors,

assigns, or other legal representatives to obtain and enforce patent protection on said invention in all countries, without further compensation, but at the expense of **TRANSITIONS OPTICAL, INC.**, its successors, assigns, or other legal representatives.

AND WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting from said application, or from any division, reissue, or extension thereof, to **TRANSITIONS OPTICAL, INC.**, as sole assignee.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals.

Yunyi Lu

YUNYI LU

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY)

ss

On this 3rd day of January, 2012, appeared before me in person the above **YUNYI LU** and acknowledged the above to be her signature, and that she signed, sealed and delivered the above instrument as her voluntary act and deed and for the purposes herein set forth.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
AMY KELLEY - NOTARY PUBLIC
Monroeville Boro., Allegheny County
MY COMMISSION EXPIRES JULY 20, 2014

Amy Kelley

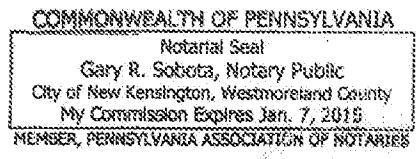
Notary Public

Wenjing Xiao
WENJING XIAO

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS

On this 24 day of JANUARY, 2012, appeared before me in person the above **WENJING XIAO** and acknowledged the above to be her signature, and that she signed, sealed and delivered the above instrument as her voluntary act and deed and for the purposes herein set forth.

Gary R. Sobota
Notary Public





ROBERT W. WALTERS

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY)

 ss

On this 24 day of JANUARY, 2012, appeared before me in person the above **ROBERT W. WALTERS** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.



Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Gary R. Sobota, Notary Public
City of New Kensington, Westmoreland County
My Commission Expires Jan. 7, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Feng Wang

FENG WANG

COMMONWEALTH OF PENNSYLVANIA)

COUNTY OF ALLEGHENY)

)
)
)
SS

On this 24 day of JANUARY, 2012, appeared before me in person the above **FENG WANG** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

G. Sobota

Notary Public

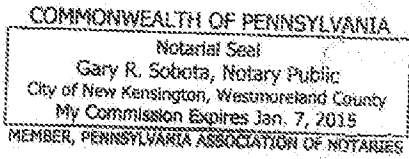
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Gary R. Sobota, Notary Public
City of New Kensington, Westmoreland County
My Commission Expires Jan. 7, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

M. Frank Haley
M. FRANK HALEY

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) ss

On this 24 day of JANUARY, 2012, appeared before me in person the above **M. FRANK HALEY** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

Gary R. Sobota
Notary Public






JASON R. LEWIS

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS

On this 26 day of JANUARY, 2012, appeared before me in person the above **JASON R. LEWIS** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.



Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Mary Ann Woodrow, Notary Public
Hampton Twp., Allegheny County
My Commission Expires June 11, 2013
Member, Pennsylvania Association of Notaries

Anu Chopra

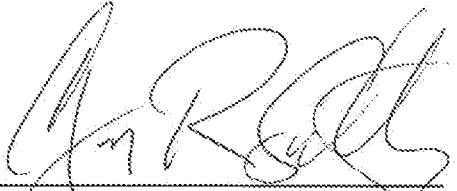
ANU CHOPRA

COMMONWEALTH OF PENNSYLVANIA)

COUNTY OF ALLEGHENY)

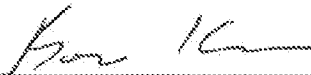
SS

On this 24 day of JANUARY, 2012, appeared before me in person the above **ANU CHOPRA** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.



Notary Public


COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Gary R. Sobota, Notary Public
City of New Kensington, Westmoreland County
My Commission Expires Jan. 7, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES



BEON-KYU KIM


COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS

On this 24 day of JANUARY, 2012, appeared before me in person the above **BEON-KYU KIM** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.



Notary Public


COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Gary R. Sobota, Notary Public
City of New Kensington, Westmoreland County
My Commission Expires Jan. 7, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES



HUAYUN YU

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS

On this 24 day of JANUARY, 2012, appeared before me in person the above HUAYUN YU and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.



Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Gary R. Sobota, Notary Public
City of New Kensington, Westmoreland County
My Commission Expires Jan. 7, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES