

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Meng He	07/29/2009
Anil Kumar	08/04/2009
Jiping Shao	07/29/2009
Xiao-Man Dai	07/29/2009
Ruisong Xu	07/29/2009
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	
Property Type	Number
Application Number:	12489843
CORRESPONDENCE DATA	
Fax Number:	(412)434-4292
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	412-434-2922
Email:	altman@ppg.com
Correspondent Name:	Deborah M. Altman, PPG Industries, Inc.
Address Line 1:	One PPG Place - 39th Floor
Address Line 2:	Law Department
Address Line 4:	Pittsburgh, PENNSYLVANIA 15272-0001
ATTORNEY DOCKET NUMBER:	07004822P2
NAME OF SUBMITTER:	Deborah M. Altman

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PATENT
REEL: 023082 FRAME: 0919

Total Attachments: 7

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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>
Meng He	Murrysville	Westmoreland	Pennsylvania
Anil Kumar	Murrysville	Westmoreland	Pennsylvania
Jiping Shao	Monroeville	Allegheny	Pennsylvania
Xiao-Man Dai	Export	Westmoreland	Pennsylvania
Ruisong Xu	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:

LIQUID CRYSTAL COMPOSITIONS COMPRISING MESOGEN CONTAINING COMPOUNDS

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

Meng He on July 29, 2009,
 Anil Kumar on July Aug. 4, 2009, *Anil*
 Jiping Shao on July 29, 2009
 Xiao-Man Dai on July 29, 2009
 Ruisong Xu on July 29, 2009

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.

Meng He

MENG HE

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF ALLEGHENY

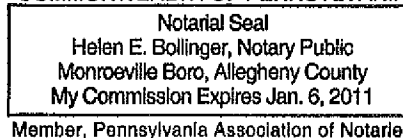
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On this 29th day of July, 2009, appeared before me in person the above **MENG HE** and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

Helen E. Bollinger
Notary Public

COMMONWEALTH OF PENNSYLVANIA



Anil Kumar
ANIL KUMAR

COMMONWEALTH OF PENNSYLVANIA)
) ss
COUNTY OF ALLEGHENY)

On this 4th day of ~~July~~ ^{August}, 2009, appeared before me in person
the above **ANIL KUMAR** 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.

Helen E. Bollinger
Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Helen E. Bollinger, Notary Public
Monroeville Boro, Allegheny County
My Commission Expires Jan. 6, 2011
Member, Pennsylvania Association of Notaries

JIPING SHAO

(

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(

Notary Public

Notarial Seal

Karen A. Rehner, Notary Public

Hampton Twp., Allegheny County

My Commission Expires Nov. 17, 2011

PATENT
REEL: 023082 FRAME: 0925

Xiao-man Dai
XIAO-MAN DAI

COMMONWEALTH OF PENNSYLVANIA

)

COUNTY OF ALLEGHENY

)

ss

)

On this 29th day of July 2009, appeared before me in person the above **XIAO-MAN DAI** 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.

Helen E. Bollinger
Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

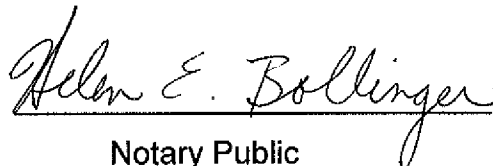
Helen E. Bollinger, Notary Public
Monroeville Boro, Allegheny County
My Commission Expires Jan. 6, 2011

Member, Pennsylvania Association of Notaries


RUISONG XU

COMMONWEALTH OF PENNSYLVANIA)
) ss
COUNTY OF ALLEGHENY)

On this 29th day of July, 2009, appeared before me in person the above
RUISONG XU 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
Helen E. Bollinger, Notary Public
Monroeville Boro, Allegheny County
My Commission Expires Jan. 6, 2011

Member, Pennsylvania Association of Notaries