

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4498978

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID ROBERT FENN	11/23/2015
KURT G. OLSON	11/23/2015
REZA ROCK	11/23/2015
CYNTHIA KUTCHKO	11/23/2015
SUSAN DONALDSON	11/23/2015
HAO SUN	11/23/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PPG INDUSTRIES OHIO, INC.
<b>Street Address:</b>	3800 WEST 143RD STREET
<b>City:</b>	CLEVELAND
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44111
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15528205
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)434-4292
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	412-434-2918
<b>Email:</b>	ipdocket@ppg.com
<b>Correspondent Name:</b>	PPG INDUSTRIES, INC.
<b>Address Line 1:</b>	ONE PPG PLACE
<b>Address Line 2:</b>	39TH FLOOR, IP LAW GROUP
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15272
<b>ATTORNEY DOCKET NUMBER:</b>	14009760PCTA1/US
<b>NAME OF SUBMITTER:</b>	CHRISTINE J. GRAFF
<b>SIGNATURE:</b>	/Christine J. Graff/
<b>DATE SIGNED:</b>	07/11/2017

**Total Attachments: 5**

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## ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from PPG INDUSTRIES OHIO, INC., a corporation of Delaware, having a place of business at Cleveland Ohio, and intending to be legally bound hereby, we,

<u>NAME</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE/COUNTRY</u>
David Robert Fenn	Allison Park	Allegheny	Pennsylvania / USA
Kurt G. Olson	Gibsonia	Allegheny	Pennsylvania / USA
Reza Rock	Pittsburgh	Allegheny	Pennsylvania / USA
Cynthia Kutehko	Pittsburgh	Allegheny	Pennsylvania / USA
Susan Donaldson	Allison Park	Allegheny	Pennsylvania / USA
Hao Sun	Allison Park	Allegheny	Pennsylvania / USA

do hereby sell, assign and set over unto PPG INDUSTRIES OHIO, INC., the entire right, title and interest in and to our invention of improvements in

### COREACTIVE MATERIALS AND METHODS FOR THREE-DIMENSIONAL PRINTING

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

David Robert Fenn, on the 23rd day of November, 2015,  
Kurt G. Olson, on the 23rd day of NOVEMBER, 2015,  
Reza Rock, on the 23rd day of November, 2015,  
Cynthia Kutehko, on the 23 day of November, 2015,  
Susan Donaldson, on the 23 day of November, 2015,  
Hao Sun, on the 23 day of November, 2015.


in and for the United States and all foreign countries, the same to be held and enjoyed by PPG INDUSTRIES OHIO, 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.

AND WE HEREBY AUTHORIZE PPG INDUSTRIES OHIO, 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 PPG INDUSTRIES OHIO, 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 PPG INDUSTRIES OHIO, INC., its successors, assigns, or other legal representatives, and that we will, at any time, upon the request and at the expense of PPG INDUSTRIES OHIO, 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 PPG INDUSTRIES OHIO, 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 PPG INDUSTRIES OHIO, INC., its successors, assigns, or other legal representatives.

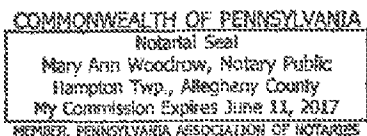
AND WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting from said application, or from any division, reissue, or extension thereof, to PPG INDUSTRIES OHIO, INC., as sole assignee.

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

  
\_\_\_\_\_  
David Robert Fenn

On this 23 day of NOVEMBER, 2015, appeared before me in person the above David Robert Fenn and acknowledged the above to be his/her signature, and that he/she signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

  
\_\_\_\_\_  
Notary Public

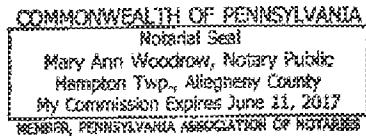


*Kurt G. Olson*

Kurt G. Olson

On this 23 day of NOVEMBER, 2015, appeared before me in person the above Kurt G. Olson and acknowledged the above to be his/her signature, and that he/she signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

*Mary Ann Woodrow*  
Notary Public

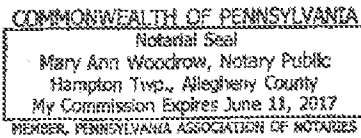


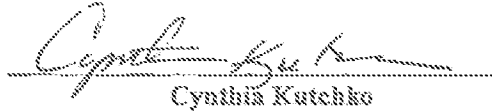
*Reza Rock*

Reza Rock

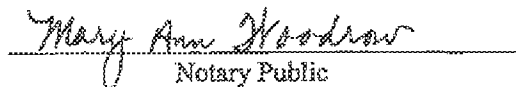
On this 23 day of NOVEMBER, 2015, appeared before me in person the above Reza Rock and acknowledged the above to be his/her signature, and that he/she signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

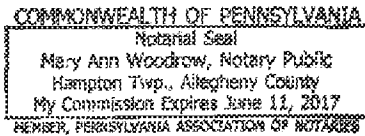
*Mary Ann Woodrow*  
Notary Public



  
Cynthia Kutchno

On this 23 day of NOVEMBER, 2015, appeared before me in person the above Cynthia Kutchno and acknowledged the above to be his/her signature, and that he/she signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

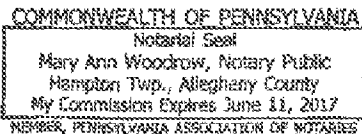
  
Notary Public

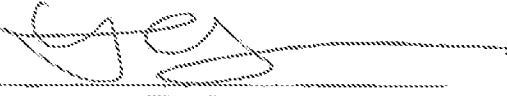


  
Susan Donaldson

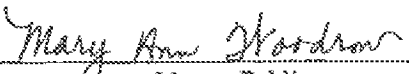
On this 23 day of NOVEMBER, 2015, appeared before me in person the above Susan Donaldson and acknowledged the above to be his/her signature, and that he/she signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

  
Notary Public



  
Hao Sun

On this 23 day of NOVEMBER, 2015, appeared before me in person the above Hao Sun and acknowledged the above to be his/her signature, and that he/she 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, 2017  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES