505863287 01/14/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5910224

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JASON RYAN LEWIS	07/14/2017
SUSAN FUNDY DONALDSON	07/14/2017
MATTHEW S. LUCHANSKY	07/14/2017
SHANTI SWARUP	07/14/2017
JOHN W. BURGMAN	07/17/2017
JUSTIN JONES	07/26/2017
BIN CAO	07/14/2017
HONGYING ZHOU	07/26/2017
DANIELLE KIRBY	07/07/2017

RECEIVING PARTY DATA

Name:	PPG INDUSTRIES OHIO, INC.
Street Address:	3800 WEST 143RD STREET
City:	CLEVELAND
State/Country:	ОНЮ
Postal Code:	44111

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16631015

CORRESPONDENCE DATA

Fax Number: (412)434-4292

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.

Phone: 412-434-2918 Email: ipdocket@ppg.com PPG INDUSTRIES, INC. Correspondent Name: Address Line 1: ONE PPG PLACE

Address Line 2: 39TH FLOOR, IP LAW GROUP

Address Line 4: PITTSBURGH, PENNSYLVANIA 15272

ATTORNEY DOCKET NUMBER: 16011280A1/US CHRISTINE J. GRAFF NAME OF SUBMITTER:

PAIENI **REEL: 051510 FRAME: 0089** 505863287

SIGNATURE:	/Christine J. Graff/	
DATE SIGNED:	01/14/2020	
Total Attachments: 18		
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PATENT REEL: 051510 FRAME: 0090

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANE RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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 I 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 I HEREBY COVENANT AND AGREE that I will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that I 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 I 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 I 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

16011280Vl Assignment

Fage 1 of 2

Jason Lawis

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal

NAME OF CO-INVENTOR:			
Vint Name: JASON	Middle Name or initial: RYAN	Pamily Name or Surname:	
Residence City: MONACA	State: PA	Country: US	Citizenship: US
Mailing Address: 133 Cedar R Manaca, PA 15061	-		3
Signature: Gold Lin		Date: 7/14/17	
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- North A.	Section 1		

16011280V1 Assignment

Page 2 of 2

Jason Lewis

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANS RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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 I 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 I HEREBY COVENANT AND AGREE that I will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that I 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 I 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.

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16011280V1 Assignment

Page 1 of 2

Susan Fundy Donaldson

IN TESTIMONY WHEREOF. I have hereunto set my hand and affixed my seal

First Name: SUSAN	Middle Name or Initial: FUNDY			
Residence City: ALLISON PARK	Stato: PA	Country: US	Citizenship: US	
Mailing Address: 2022 P.	IPER COURT,	ALLISON PARK, PA	15101	
9 ignatura: <u>XVIII IN YO</u>	rallous)	Date: 7/14/i7		
Leuse Beyer				

16011280Vl Assignment

Page 2 of 2

Susan Fundy Donaldson

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

CURABLE FILM-POEMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANE RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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 I 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 I HEREBY COVENANT AND AGREE that I will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that I 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 I 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.

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16011280V1 Assignment

Page 1 of 2

Matthew Luchansky

IN TESTIMONY WHEREOF, I have bereunto set my hand and affixed my scal

NAME OF CO-INVENTOR:			
First Name: MATTHEW	Middle Name or Initiai: S.	Family Name or Sumame	LUCHANSKY
Residence City: WEXFORD	State: PA	Country; US	Citizenship: US
Mailing Address: 416 Clove Wexford, PA 18090			
<u> </u>	Baratana Caraman	Oute: 7/14/17	
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Ilux De	2074		
Witness			

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANS RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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 I 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 I HEREBY COVENANT AND AGREE that I will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that I 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 I 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 I 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

16011280V1 Assignment

Page 1 of 2

Shanti Swarup

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal

NAME OF CO-INVENTOR:					
Pirst Name: SHANTI	Middle Name or Initial:	Pamily	Name or Surnam	ie: SWAR	UP
Residence City: ALLISON PARK	State: PA		Country: US	Citi	zenship: US
Mailing Address: 4918 Meadow Allisøn Perk, PA 15101					
Signature: Frank Dward Detre: 7/14/2017					
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Witness

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANE RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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 I 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 I HEREBY COVENANT AND AGREE that I will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that I 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 I 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.

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16011280V1 Assignment

Page 1 of 2

John Burgman

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal

Pirst Name: JOHN	∵iddis Name or Initial: W.	Family Name or Surname	: BURGMAN
Residence City: WEXFORD	State: PA	Country: US	Citizenship: US
Nailing Address: 407 Wyn exford, PA 15090	stone Drive	- 3	
gionature Voka W. Pv	. 70	cum In L. 17 i	2017

<u>Orangera Jakai</u> Witness

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND FOLYSLICAXANE RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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 I 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 I HEREBY COVENANT AND AGREE that I will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that I 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 I 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 I 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

16011280V1 Assignment Page 1 of 2 Justin Jones

IN TESTIMONY WHEREOF. I have hereunto set my hand and affixed my seal

NAME OF CO-INVENTOR:			
First Name: JUSTIN	Middle Name or Initial:	Family Name or Surname	: IONES
Residence City: Cranberry Township	State: PA	Country: US	Citizenship: US
Mailing Address: 2206 Cross Cresk Drive, Cran	berry Twp. PA 1	5056	
Sign a are: II		nac: 4/26/17	
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Chers Bry			
Witness			

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANE RESINS AND MULTILIAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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.

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16011280Vl Assignment

Page 1 of 2

Bin Cao

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my scal

NAME OF CO-INVENTOR:				
First Name: BIN Middle Name or Family Name or Surname: CAO initial:				
Residence City: PITTSBURGH	State: PA	Country: US	Citizenship: CHINA	
Mailing Address: 1645 Oakleaf Ln, Pittsburgh, PA, 15237				
Sieneture: Day 1/2		u 7/14/17		

Witness

Bin Cao

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

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSLICKAME RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, 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.

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16011280V1 Assignment

Page 1 of 2

Hongying Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal

NAME OF CO-INVENTOR:					
First Name: HONGYING	Middle Name or initial:	Pamil	Family Name or Surnams: ZHOU		
Residence City: ALLINON PARK	State: PA		Country: US	Cittzenship: US	
Mailing Address: 3953 . Allison Park, FA 15					
Signature: <u>14927-22-</u>)sto:	7/26/2017		
all the state of t					

Witness

16011280V1 Assignment

Page 2 of 2

Rangying Zhou

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, I, DANIELLE KIRBY, do hereby sell, assign and

set over unto PPG INDUSTRIES OHIO, INC., the entire right, title and interest in and to my

invention of improvements in

CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND

POLYSTLOXARE RESINS AND MULTILAYER COMPOSITE COATINGS

as set forth in my application for Letters Patent of the United States of America, in and for the United

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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 I 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.

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Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting

16011280V1 Assignment

Page 1 of 2

Danielle Kirby

PATENT REEL: 051510 FRAME: 0107

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal

NAME OF CO-INVENTOR:				
First Name: DANIELLE	Middle Name or initial:			
Residence City: Wexford	State: PA	Country: U8	Citizenship: U8	
Mailing Address: 10357 Cherry Grove Ct., Wexion				
Signature: Daville 1		>== <u>07171</u>	<u> </u>	
/ Witness				

16011280V1 Assignment

RECORDED: 01/14/2020

Page 2 of 2

Danielle Kirby