PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUCAS DOS SANTOS FREIRE	07/16/2020
QI DING	06/16/2020
CYNTHIA KUTCHKO	06/22/2020
SHUYANG PAN	07/15/2020
NATHAN J. SILVERNAIL	06/23/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16988755

CORRESPONDENCE DATA

Fax Number: (412)471-4094

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.

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Correspondent Name: LESTER N. FORTNEY

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Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	2576-2002551
NAME OF SUBMITTER:	LESTER N. FORTNEY, REG. NO. 38,141
SIGNATURE:	/Lester N. Fortney/
DATE SIGNED:	08/10/2020

Total Attachments: 7

PATENT REEL: 053439 FRAME: 0988

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PATENT REEL: 053439 FRAME: 0989

Application No	62/887,856
Attorney Docket No.	2576-1906458

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

SILICA-GRAPHENIC CARBON COMPOSITE PARTICLES AND ELASTOMERIC MATERIALS INCLUDING SUCH PARTICLES (Invention Title)		
X for which a United States Provisional Patent application was filed on 08/16/2019 (mm/dd/yyyy) and bears Application Number 62/887,856 (hereinafter "said application"). AND/OR		
for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR		
for which an application for a United States Patent was filed on and bears Application Number (hereinafter "said application"). AND/OR		
for which an international patent application was filed under the Patent Cooperation Treaty on(mm/dd/yyyy), bearing Application No (hereinafter "said application").		
AND, WHEREAS, PPG INDUSTRIES OHIO, INC., a corporation of Delaware, having a place of business at 3800 West 143rd Street, Cleveland, OH 44111, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.		
NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries, including rights of priority under the International Convention of Paris (1883) as amended, and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisionals, non-provisionals, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.		
I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.		
And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me,		

testify in any legal proceedings, sign all lawful papers, execute all divisional, non-provisional

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4TI0136.DOCX

Application No.	62/887,856
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reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full befiefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

RESIDENCE:

Lucas Dos Santos Freire

Pittsburgh, PA

1 2 6 8

EXECUTED this 16 day of 106, 2020

SIGNATURE

WIMNESS:

Name:

X Checked Box indicates 5 (five) additional page(s).

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Application No	62/887,856
Attorney Docket No.	2576-1906458

2. FULL NAME OF ASSIGNOR:	RESIDENCE:	
Qi Ding	Allison Park, PA	
EXECUTED this _/ 6_ day of June_	, 2020	ain-
		SIGNATURE
**		
WITNESS:		

3

Name: Ligno Wans

Application No.	62/887.856
Attorney Docket No.	2576-1906458

3	FULL.	NAME	OF	ASSIGNOR:
400	4 30 2000	L 12 CAYAGO	~/X	I KANDAN BANDA KANDA BANDA

RESIDENCE:

Cynthia Kutchko

Pittsburgh, PA

EXECUTED this 22 day of June, 2020

WITNES\$

4. FULL NAME OF ASSIGNOR:	RESIDENCE:		
Shuyang Pan		Princeton, NJ	
EXECUTED this15 day ofJuly	. 2020		
		/Shuyang Pan/	
		Shuyang Pan	
		SIGNATURE	
WITNESS:			
Name:			

Application No. 62/887,856
Attorney Docket No. 2576-1906458

Application No.	62/887,856
Attorney Docket No.	2576-1906458

5. FULL NAME OF ASSIGNOR:	RESIDENCE:	
Nathan J. Silvernail	Mars, PA	
EXECUTED this 23day of 3		
	Signature	
WITNESS:		
Name:		

	• •
	Attorney Docket No. <u>2576-1906458</u>
Acknowledgement of this Assignment is made	by/on behalf of the Assignee:
NAME OF ASSIGNEE:	PLACE OF BUSINESS:
PPG INDUSTRIES OHIO, INC.	Cleveland, OH
EXECUTED this 6th day of August	75.1
	SIGNATURE
	Name: Greg E. Gordon
	Title: Assistant Secretary
WITNESS:	
Name:	

RECORDED: 08/10/2020

Application No. 62/887,856