PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4374184

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
THOMAS G. RUKAVINA	06/14/2016	

RECEIVING PARTY DATA

Name:	PPG INDUSTRIES, INC.
Street Address:	ONE PPG PLACE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15272

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14776451

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.

Phone: (412)471-8815

Email: assignments@webblaw.com **Correspondent Name:** THE WEBB LAW FIRM

Address Line 1: 420 FT. DUQUESNE BLVD., SUITE 1200

Address Line 2: ONE GATEWAY CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	5286-159491
NAME OF SUBMITTER:	ANN M. CANNONI
SIGNATURE:	/Ann M. Cannoni/
DATE SIGNED:	04/19/2017

Total Attachments: 3

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> **PATENT REEL: 042056 FRAME: 0163** 504327499

	RM COVER SHEET		
PATENT	S ONLY		
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.		
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)		
Thomas G. RUKAVINA	Name: PPG Industries, Inc.		
	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s):	Street Address: One PPG Place		
Execution Date(s) June 14, 2016	Oli Odi / Ida i Oddi.		
✓ Assignment Merger			
Security Agreement Change of Name	City: Pittsburgh		
Joint Research Agreement	State: Pennsylvania		
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: UNITED STATES Zip: 15272		
Other	Additional name(s) & address(es) attached? ☐ Yes ✓ No		
A. Patent Application No.(s) 14/776,451 Additional numbers att	B. Patent No.(s) ached?		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Name: Ann M. Cannoni			
Internal Address: The Webb Law Firm	7. Total fee (37 CFR 1.21(h) & 3.41) \$0		
momar/daross. The Webs Daw Link	Authorized to be charged to deposit account		
Street Address: One Cataway Contar	Enclosed		
Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200	None required (government interest not affecting title)		
City: Pittsburgh	8. Payment Information		
State: PA Zip: 15222			
Phone Number: <u>412-471-8815</u>			
Docket Number: 5286 - 159491	Deposit Account Number		
Email Address: assignments@webblaw.com	Authorized User Name		
9. Signature: /Ann M. Cannonia	/ April 10, 2017		
Signature /Am M. Cannoni/	April 19, 2017 Date		
Ann M. Cannoni Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 3		
Documents to be recorded (including cover sheet	t) should be faxed to (571) 273-0140, or mailed to: f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450		

PATENT REEL: 042056 FRAME: 0164

ASSIGNMENT CONFIRMATION

WHEREAS, Thomas G. Rukavina, prior to his death, was employed by PPG Industries, Inc.; and

WHEREAS, during the course of such employment, Mr. Rukavina made or conceived of certain new and useful inventions, discoveries, suggestions and improvements; and

WHEREAS, Mr. Rukavina entered into an Employee's Agreement dated May 2, 1977 with PPG Industries, Inc. and its subsidiaries (the "Company") pursuant to which Mr. Rukavina assigned to the Company all right, title and interest in and to any and all inventions, discoveries, suggestions and improvements related to the business of the Company;

WHEREAS, Mr. Rukavina undertook the obligation to execute any and all documents necessary to confirm such an assignment; and

WHEREAS, the undersigned is executor of the Estate of Mr. Rukavina; and

WHEREAS, the Company, may, from time to time, and in order to further evidence the rights already held by the Company pursuant to the Employee Agreement to inventions, discoveries, suggestions and improvements made by Mr. Rukavina during his lifetime and pursuant to the Employee Agreement, find it beneficial to have this confirmatory assignment document executed by Mr. Rukavina's estate; and

WHEREAS, the undersigned, as executor of the Estate of Mr. Rukavina, is amenable to providing such a confirmation of the assignment of rights already granted by Mr. Rukavina pursuant to the Employee Agreement and other assignments executed by Mr. Rukavina during his employment with PPG;

NOW, THEREFORE, for a fee of Ten US Dollars (\$US 10.00) and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the undersigned, in his capacity as Executor, hereby confirms the assignment, sale, transfer, and set over unto PPG Industries, Inc. ("Assignee") the entire right, title and interest in and to (i) any and all inventions, discoveries, suggestions and improvements made or conceived by Mr. Rukavina during the course of his employment and (ii) any related United States and foreign patent applications and any patents which have or may issue therefrom in the United States and all foreign countries and all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, and/or extensions of any of the foregoing, Assignee to have and to hold the interests herein assigned to the full ends of the terms of any such pending applications, issued patents and any and all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals,

PATENT REEL: 042056 FRAME: 0165 and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by Mr. Rukavina had this assignment not been made.

EXECUTED	04/14	, 201	6	
Robert Ruhaumin EOE				
Robert Rukavina, as Executor	of the Estate of Tho	mas G. Rukavina		
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STRUCTURE OF WITHOUT		SS:		
COUNTY OF ALLEGHENY		·		
Before me, a leadersonally appeared <u>Reserver</u> who executed the foregoing as and deed.		who acknowle	edged that he is	the person
Witness my has	nd and notarial seal t	nis \u00e4\u00e4mday.of_	Jone	, 2016
[NOTARIAL SEAL]	Been Norm	Public T	<u>&gt;</u>	
Beve City of Low My Com	WEALTH OF PENNSYLVAND Notarial Seal Hy Myers, Notary Public or Burrell, Westmoreland Count mission Expires June 3, 2017 SYLVANA ASSOCIATION OF NOTABLE	¥		

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06204-00008/7261509.2 RECORDED: 04/19/2017