

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JULIO CESAR T. SPADACCIA	12/07/2019
NANCY F. LEVOY	12/05/2019
ALLAN R. CASE	12/05/2019
CRAIG J. IOZZO	12/05/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAINT-GOBAIN CERAMICS & PLASTICS, INC.
<b>Street Address:</b>	One New Bond Street
<b>City:</b>	Worcester
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01615-0138
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16683152
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	17-HPR-0426US02
<b>NAME OF SUBMITTER:</b>	ELIZABETH COFFEE
<b>SIGNATURE:</b>	/Elizabeth Coffee/
<b>DATE SIGNED:</b>	01/17/2020
<b>Total Attachments: 5</b>	
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### ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Julio Cesar T. SPADACCIA of Windermere, FL 34786 United States of America

Nancy F. LEVOY of Concord, MA 01742 United States of America

Allan R. CASE of Worcester, MA 01605 United States of America

Craig J. Iozzo of Dudley, MA 01571 United States of America

hereby sell, assign and transfer to

ASSIGNEE: SAINT-GOBAIN CERAMICS & PLASTICS, INC., a Delaware Corporation, having a principal place of business at One New Bond Street, Worcester, MA, 01615, United States of America,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

- ☐ U.S. Patent Application executed on or about the date of this Assignment,
- ☐ U.S. Patent Application executed on \_\_\_\_\_,
- ☐ U.S. Provisional Application \_\_\_\_\_, filed on \_\_\_\_\_,
- ☒ U.S. Application No.: 16/683,152, filed on November 13, 2019, or
- ☐ International Application No.: PCT/\_\_\_\_\_, filed on \_\_\_\_\_.

ENTITLED: **REFRACTORY ARTICLES AND METHODS FOR FORMING SAME**, and naming as

INVENTOR(S): Julio Cesar T. SPADACCIA, Nancy F. LEVOY, Allan R. CASE, Craig J. Iozzo.

("Invention") including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said Invention, including divisions, continuations, continuations-in-part, utility models, industrial designs, renewals, substitutes and extensions thereof, and in and to any and all patents, invention registrations, or other forms of protection ("Patents") of every country or region that may be granted or have been granted for said Invention, including any reissues and reexaminations thereof.

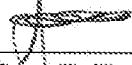

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (\_\_\_\_\_/\_\_\_\_\_, filed \_\_\_\_\_) when they become known.

I authorize Assignee to apply for and be granted patents in the United States and foreign countries for said Invention, and to claim all rights of priority without further authorization from me.

I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

I authorize and request the Director of the United States Patent and Trademark Office and agencies, departments, or other similar offices and officials of all foreign countries to issue any Patents granted for said Invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part, reexamination, reissue or other application, to Assignee, its successors and assigns, as the assignee of the entire interest in said Invention.

Executed on <u>12-07-</u> , 201 <u>9</u> by _____ [Month-day-year]	 Julio Cesar T. SPADACCIA
Witnessed on <u>12-07-20</u> , 201 <u>9</u> by _____ [Month-day-year]	 Non-inventor Witness Signature

Executed on _____, 201__ by _____ [Month-day-year]	Nancy F. LEVOY
Witnessed on _____, 201__ by _____ [Month-day-year]	Non-inventor Witness Signature

Executed on _____, 201__ by _____ [Month-day-year]	Allan R. CASE
Witnessed on _____, 201__ by _____ [Month-day-year]	Non-inventor Witness Signature

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I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

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Executed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_  
[Month-day-year] Julio Cesar T. SPADACCIA

Witnessed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_  
[Month-day-year] Non-inventor Witness Signature

Executed on Dec. 5, 2019 by Nancy F. Levoy  
[Month-day-year] Nancy F. LEVOY

Witnessed on Dec. 5, 2019 by Lucia J. Monte  
[Month-day-year] Non-inventor Witness Signature

Executed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_  
[Month-day-year] Allan R. CASE

Witnessed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_  
[Month-day-year] Non-inventor Witness Signature

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I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

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Executed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_,  
[Month-day-year] Julio Cesar T. SPADACCIA

Witnessed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_,  
[Month-day-year] Non-inventor Witness Signature

Executed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_,  
[Month-day-year] Nancy F. LEVOY

Witnessed on \_\_\_\_\_, 201\_\_ by \_\_\_\_\_,  
[Month-day-year] Non-inventor Witness Signature

Executed on December 5, 2019 by Allan R. Case,  
[Month-day-year] Allan R. CASE

Witnessed on 12-5, 2019 by [Signature],  
[Month-day-year] Non-inventor Witness Signature

Executed on 12-5-19, 2019 by C. J. Iozzo  
[Month-day-year] Craig J. Iozzo

Witnessed on 12-5, 2019 by [Signature]  
[Month-day-year] Non-inventor Witness Signature