505361563 03/06/2019

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| DANIEL RENE URFFER | 08/20/2018 |

RECEIVING PARTY DATA

| Name: | SAINT-GOBAIN CENTRE DE RECHERCHE ET D'ETUDES EUROPEEN | |
|-----------------|---|--|
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| City: | Les Miroirs | |
| State/Country: | Courbevoie | |
| Postal Code: | 92400 | |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15466321 |
| Application Number: | 14928526 |

CORRESPONDENCE DATA

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|--------------------|------------------------|--|
| SIGNATURE: | /Monique Gomez-Garcia/ | |
| DATE SIGNED: | 03/06/2019 | |

Total Attachments: 2

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PATENT REEL: 048570 FRAME: 0062 505361563

CONFIRMATORY ASSIGNMENT

WHEREAS, Daniel René URFFER ("Inventor") is a resident of France and an employee of the SAINT-GOBAIN CENTRE DE RECHERCHE ET D'ETUDES EUROPÉEN. ("Employer") having an office at 18 Avenue d'Alsace, Les Miroirs, Courbevoie, 92400, France.

WHEREAS, Inventor and Employer desire to confirm the ownership of the inventions as described below,

NOW THEREFORE, during and within the scope of duties of Inventor's employment to Employer, Inventor conceived inventions as disclosed in:

| ☐ U.S. Patent Ap ☐ U.S. Applicati ☐ U.S. Applicati | on No.: 14/928,526, filed on No.: 15/466,321, filed on | on <u>October 30, 2015</u> | |
|--|--|--|----|
| ENTITLED: | SINTERED CERAMIC FORMING THE SAME | COMPONENT AND A PROCESS OF , and naming as | |
| INVENTOR(S): | Guangyong LIN; Yeshw R. ROBBINS; and Daniel R | vanth NARENDAR; Brian C. LaCourse; Wesle ené URFFER | ey |

("Inventions"), in which ownership in such Inventions originally vested in Employer in accordance with the laws of the country in which Inventor is an employee of Employer.

Inventor acknowledges and confirms that ownership of the Inventions originally vested in Employer. Inventor further acknowledges and confirms that all rights of priority in the Inventions originally vested in the Employer. I authorize Employer to apply for and be granted patents in the United States and foreign countries for the Inventions, and to claim all rights of priority without further authorization from me. 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 Confirmatory Assignment.

Furthermore, Inventor hereby quit claims, sells, transfers, conveys and assigns for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, to Employer, its successors, and assigns, 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 the Inventions, 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 the Inventions, including any reissues and reexaminations thereof.

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,

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reissuing, or enforcing the Patents in the United States and throughout the world for the Inventions, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to the Inventions, the application, and any Patents granted for the Inventions in the United States and throughout the world.

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 the Inventions, whether on the application or on any subsequently filed divisional, continuation, continuation-in-part, reexamination, reissue or other application, to Employer, its successors and assigns, as the assignee of the entire interest in the Inventions.

| Executed on August, 2018 by | Daniel René URFFER |
|--|------------------------------|
| Witnessed on 4 wgust, 20th, 201 8 by Nor | a-inventor Witness Signature |