

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7021182

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|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| EDWIN L. COLLINS III | 10/21/2021 |
| JEFFREY J. BOLEBRUCH | 10/21/2021 |
| NATHANIEL TEATOR | 11/02/2021 |
| RECEIVING PARTY DATA | |
| Name: | BLASCH PRECISION CERAMICS, INC. |
| Street Address: | 580 BROADWAY |
| City: | ALBANY |
| State/Country: | NEW YORK |
| Postal Code: | 12204 |
| PROPERTY NUMBERS Total: 1 | |
| | |
| Property Type | Number |
| Application Number: | 12583622 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <i>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.</i> | |
| Email: | ptocommunications@hoffmanwarnick.com, dcole@hoffmanwarnick.com |
| Correspondent Name: | HOFFMAN WARNICK LLC |
| Address Line 1: | 540 BROADWAY |
| Address Line 2: | 4TH FLOOR |
| Address Line 4: | ALBANY, NEW YORK 12207 |
| ATTORNEY DOCKET NUMBER: | 785_043 NP |
| NAME OF SUBMITTER: | RONG ZHANG |
| SIGNATURE: | /R. Sarah Zhang/ |
| DATE SIGNED: | 11/09/2021 |
| Total Attachments: 3 | |
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| source=BPCI-0001-US_Assignment_Executed_#page2.tif | |
| source=BPCI-0001-US_Assignment_Executed_#page3.tif | |

GLOBAL ASSIGNMENT

We, undersigned and below named inventors:

| Inventor First Name | Inventor Middle Name | Inventor Last Name | | Residence Town | Residence State | Residence Country |
|---------------------|----------------------|--------------------|----|----------------|-----------------|-------------------|
| Edwin | L. | Collins III | of | Albany | NY | US |
| Jeffrey | J. | Bolebruch | of | Amsterdam | NY | US |
| Nathaniel | | Teator | of | Cohoes | NY | US |

herein referred to as "ASSIGOR", sell and assign to:

| |
|---|
| Name of Company: <i>BLASCH PRECISION CERAMICS, INC.</i> |
| Entity Type (optional): <i>New York corporation</i> |
| Address: <i>580 Broadway, Albany, New York 12204</i> |

herein referred to as "ASSIGNEE", its successors and assigns our entire worldwide rights, titles and interests in and to the invention and improvements (herein referred to as "Invention") made or conceived by us described in the application(s) listed in the following table:

| Country of Filing | Type of Filing | Application Number | Filing Date | Title |
|-------------------|-----------------|--------------------|-----------------|--|
| US | Non-Provisional | 12/583,622 | August 24, 2009 | VECTOR TILE, REFRACTORY ASSEMBLY UNIT INCLUDING SAME AND REFRACTORY ARRAY INCLUDING SAME |
| US | Provisional | 61/091,514 | August 25, 2008 | VECTOR TILE, REFRACTORY ASSEMBLY UNIT INCLUDING SAME AND REFRACTORY ARRAY INCLUDING SAME |

(We hereby authorize and request the ASSIGNEE or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

We, the "ASSIGNOR", hereby confirm that in the assignment submitted on August 24, 2009 and recorded on Reel 023167, Frame 0357, we intended to assign our entire worldwide rights, titles and interests in and to the Invention, the above-identified patent applications, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents, to the "ASSIGNEE". To the extent any rights, including any rights of priority, were not expressly assigned in the assignment recorded on Reel 023167, Frame 0357, we hereby assign such rights to the "ASSIGNEE".

Therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, we, the "ASSIGNOR", hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to BLASCH PRECISION CERAMICS, INC. (the "ASSIGNEE"), its successors, legal representatives, and assigns, our entire worldwide rights, titles, and interests in and to the Invention, the above-identified patent applications, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to ASSIGNEE, its successors, legal representatives, and assigns, our entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by ourselves had this Assignment not been made; and we agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, or assigns.

We acknowledge our prior and ongoing obligations to sell, assign, and transfer our rights under this Assignment to ASSIGNEE, and we are unaware of any reason why we may not have the full and unencumbered right to sell, assign, and transfer our rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

Edwin L. Collins III

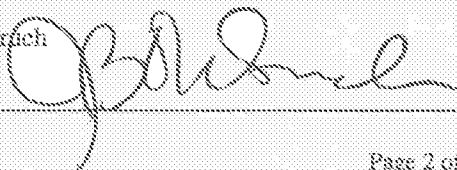
Signature: _____



Date: 10-21-21

Jeffrey J. Bolebrach


Signature: _____



Date: 10-21-21

Docket Family No.: 785_043 (BPCI-0001)

Nathaniel Teator

Signature:  Date: 11/02/21