

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5164739

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ATHANASIOS KARALIS	11/13/2017
IOANNIS POULAKIS	11/19/2017
SALVATORE PETER LAROSA	11/13/2017
CHRISTINA KAPRALOU	11/15/2017
GARY CHARLES PHILLIPS	01/31/2018
NILS RICKERTSEN	02/05/2018
CHRISTOS DEDELOUDIS	06/11/2018
DOUKAS EFSTATHIADIS	01/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	S & B INDUSTRIAL MINERALS S.A.
<b>Street Address:</b>	15 A. METAXA STREET
<b>City:</b>	14564 KIFISSIA, ATTIKI
<b>State/Country:</b>	GREECE
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15029183
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)408-4400
<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>	
<b>Email:</b>	regional-desk@finnegan.com
<b>Correspondent Name:</b>	FINNEGAN, HENDERSON
<b>Address Line 1:</b>	901 NEW YORK AVENUE, N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001
<b>ATTORNEY DOCKET NUMBER:</b>	13353.0001-00000
<b>NAME OF SUBMITTER:</b>	JEFFREY C. TOTTEN
<b>SIGNATURE:</b>	/Jeffrey C. Totten/
<b>DATE SIGNED:</b>	09/28/2018
<b>Total Attachments: 12</b>	

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## ASSIGNMENT

WHEREAS I/We, the below-named inventor(s) (hereinafter referred to as Assignor(s)), of an invention entitled:

**EXPANDED, MICRONIZED SURFACE TREATED ALUMINOSILICATE VOLCANIC GLASS AS LAMELLAR  
FUNCTIONAL FILLER FOR PLASTICS AND SPECIAL COATINGS**

as disclosed and claimed in the applications identified below this paragraph:

Application Number	Country of Filing	Filing Date
15/029,183	US	April 13, 2016
PCT/US2014/060775	PCT	October 15, 2014

WHEREAS, S & B Industrial Minerals S.A., a corporation of Greece whose post office address is 15 A. Metaxa Street, 14564, Kifissia, Attiki, Greece (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including any PCT International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the any official of any country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE authorize and request a patent practitioner of record in this application, to insert the filing date, country of filing, and application number of the above-referenced application(s) when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

ASSIGNOR (Inventor) 1

[Signature]

Signature

Athanasios KARALIS

Print Name

November 13<sup>th</sup>, 2017

Execution Date

ASSIGNOR (Inventor) 2

[Signature]

Signature

Ioannis POULAKIS

Print Name

Execution Date

ASSIGNOR (Inventor) 3

[Signature]

Signature

Salvatore Peter LAROSA

Print Name

Execution Date

ASSIGNOR (Inventor) 4

[Signature]

Signature

Christina KAPRALOU

Print Name

Execution Date

ASSIGNOR (Inventor) 5

[Signature]

Signature

Page 2 of 3

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**ASSIGNOR (Inventor) 1**

Signature

Athanasios KARALIS

Print Name

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Signature

Ioannis POULAKIS

Print Name

11/19/2017

Execution Date

**ASSIGNOR (Inventor) 3**

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Salvatore Peter LAROSA

Print Name

Execution Date

**ASSIGNOR (Inventor) 4**

Signature

Christina KAPRALOU

Print Name

Execution Date

**ASSIGNOR (Inventor) 5**

Signature

I.P.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

**ASSIGNOR (Inventor) 1**

\_\_\_\_\_  
Signature  
Athanasios KARALIS  
Print Name  
\_\_\_\_\_  
Execution Date

**ASSIGNOR (Inventor) 2**

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Signature  
Ioannis POULAKIS  
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Execution Date

**ASSIGNOR (Inventor) 3**

Salvatore Peter Larosa  
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Salvatore Peter LAROSA  
Print Name  
Salvatore Peter Larosa  
Execution Date November 13, 2017

**ASSIGNOR (Inventor) 4**

\_\_\_\_\_  
Signature  
Christina KAPRALOU  
Print Name  
\_\_\_\_\_  
Execution Date

**ASSIGNOR (Inventor) 5**

\_\_\_\_\_  
Signature

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Ioannis POULAKIS

Print Name

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Print Name

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Execution Date

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**Ioannis POULAKIS**  
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Print Name

\_\_\_\_\_  
Execution Date

**ASSIGNOR (Inventor) 3**

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Signature

**Salvatore Peter LAROSA**  
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Print Name

\_\_\_\_\_  
Execution Date

**ASSIGNOR (Inventor) 4**

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Signature

**Christina KAPRALOU**  
\_\_\_\_\_

Print Name

\_\_\_\_\_  
Execution Date

**ASSIGNOR (Inventor) 5**

  
Signature



Gary Charles PHILLIPS

Print Name

1-31-2018

Execution Date

ASSIGNOR (Inventor) 6

Signature

Nils RICKERTSEN

Print Name

Execution Date

ASSIGNOR (Inventor) 7

Signature

Christos DEDELOUDIS

Print Name

Execution Date

ASSIGNOR (Inventor) 8

Signature

Doukas EFSTATHIADIS

Print Name

Execution Date

Assignee Name: S & B Industrial Minerals S.A.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Corporate Title: \_\_\_\_\_

Date: \_\_\_\_\_

Gary Charles PHILLIPS

Print Name

Execution Date

**ASSIGNOR (Inventor) 6**

*N. Rickertsen*

Signature

Nils RICKERTSEN

Print Name

5. Feb. 2018

Execution Date

**ASSIGNOR (Inventor) 7**

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Christos DEDELOUDIS

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**ASSIGNOR (Inventor) 8**

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Doukas EFSTATHIADIS

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**Assignee Name:** S & B Industrial Minerals S.A.

Signature: \_\_\_\_\_

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Corporate Title: \_\_\_\_\_

Date: \_\_\_\_\_

Gary Charles PHILLIPS

Print Name

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**ASSIGNOR (Inventor) 6**

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Nils RICKERTSEN

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**ASSIGNOR (Inventor) 7**

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Christos DEDELOUDIS

Print Name

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**ASSIGNOR (Inventor) 8**

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Doukas EFSTATHIADIS

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Assignee Name: S & B Industrial Minerals S.A.

Signature: \_\_\_\_\_

Printed Name: Athanasios Kefalas

Corporate Title: \_\_\_\_\_

Date: \_\_\_\_\_

Page 3 of 3

Gary Charles PHILLIPS

Print Name

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**ASSIGNOR (Inventor) 6**

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Nils RICKERTSEN

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**ASSIGNOR (Inventor) 7**

Signature

Christos DEDELOUDIS

Print Name

Execution Date

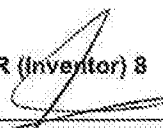
**ASSIGNOR (Inventor) 8**

Signature

Doukas EFSTATHIADIS

Print Name

Execution Date

  
01/02/2018

**Assignee Name:** S & B Industrial Minerals S.A.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Corporate Title: \_\_\_\_\_

Date: \_\_\_\_\_

Gary Charles PHILLIPS  
Print Name

Execution Date

ASSIGNOR (Inventor) 6

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Nils RICKERTSEN  
Print Name

Execution Date

ASSIGNOR (Inventor) 7

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Christos DEDELOUDIS  
Print Name


Execution Date

ASSIGNOR (Inventor) 8

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Doukas EFSTATHIADIS  
Print Name

Execution Date

Assignee Name: S & B Industrial Minerals S.A.


Signature: 

Printed Name: Athanasios Kefalas

Corporate Title: BPI BU General Manager

Date: 29/11/2017

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 13354.0001-00000

Signature:   
Printed Name: Anastasia Amvrosiadou  
Corporate Title: HR Director  
Date: 5th December 2017