### 501889331 04/16/2012

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Christopher T. Schade	04/10/2012
Bruce Lindsley	04/10/2012
Thomas F. Murphy	04/10/2012
Wing-Hong Chen	04/10/2012

### **RECEIVING PARTY DATA**

Name:	Hoeganaes Corporation
Street Address:	1001 Taylors Lane
City:	Cinnaminson
State/Country:	NEW JERSEY
Postal Code:	08077

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13433408

### **CORRESPONDENCE DATA**

**Fax Number**: (215)568-3439 **Phone**: 215-568-3100

Email: garonski@woodcock.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Woodcock Washburn LLP

Address Line 1: 2929 Arch Street
Address Line 2: Cira Centre, 12th Floor

Address Line 4: Philadelphia, PENNSYLVANIA 19104

ATTORNEY DOCKET NUMBER:	HOE-0973
NAME OF SUBMITTER:	Noreen Garonski

PATENT

REEL: 028051 FRAME: 0674

# Total Attachments: 8 source=HOE-0973\_Combined\_Executed\_Assignments#page1.tif source=HOE-0973\_Combined\_Executed\_Assignments#page2.tif source=HOE-0973\_Combined\_Executed\_Assignments#page3.tif source=HOE-0973\_Combined\_Executed\_Assignments#page4.tif source=HOE-0973\_Combined\_Executed\_Assignments#page5.tif source=HOE-0973\_Combined\_Executed\_Assignments#page6.tif source=HOE-0973\_Combined\_Executed\_Assignments#page7.tif source=HOE-0973\_Combined\_Executed\_Assignments#page8.tif

PATENT REEL: 028051 FRAME: 0675

### **ASSIGNMENT**

WHEREAS, I, Christopher T. Schade citizen of the United States, residing at 15 Marni Court, Marlton, New Jersey 08053, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number HOE-0958 ("the invention"), which is entitled VANADIUM-CONTAINING POWDER METALLURGICAL POWDERS AND METHOD OF THEIR USE ("the subject application"), and which claims priority to patent application number 61/472,262 filed April 6, 2011 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Hoeganaes Corporation**, ASSIGNEE, having a place of business at **1001 Taylors Lane**, **Cinnaminson**, **New Jersey 08077**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above
my signature.
Executed this 10th day of April , year of 2012.
Christophi T Schade
Signature
CHRISTOPHER T. SCHADE
*************************
STATEMENT OF NOTARY PUBLIC
STATE OF NEW SEPSCY:
: SS
COUNTY OF BUrling ton
On this 10th day of July, year of 2012, before me personally
came the above named Christopher T. Schade to me personally known and known to me to be the
same individual who executed the foregoing assignment, and who acknowledged to me that
execution of the same was of that person's own free will for the use and purposes therein set
forth.
Ally Mark
Notary Public of New Jersey  Notary Public of New Jersey  Or Commission Expires Oct. 7, 2013
***********************
The foregoing assignment covers patent application number 13/433,408, filed on March 29,
2012. Herkannfruh
Name of Attorney: Stephanie A. Barbosa
Registration No.: 51,430
Date of Insertion: 4/16/2013

### **ASSIGNMENT**

WHEREAS, I, Bruce Lindsley citizen of the United States, residing at 507 Lexington Drive, Cinnaminson, New Jersey 08077, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number HOE-0958 ("the invention"), which is entitled VANADIUM-CONTAINING POWDER METALLURGICAL POWDERS AND METHOD OF THEIR USE ("the subject application"), and which claims priority to patent application number 61/472,262 filed April 6, 2011 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Hoeganaes Corporation**, ASSIGNEE, having a place of business at **1001 Taylors Lane**, **Cinnaminson**, **New Jersey 08077**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. Executed this Signature **BRUCE LINDSLEY** STATEMENT OF NOTARY PUBLIC STATE OF NEW 2 : SS COUNTY OF day of Stul , year of 2012, before me personally came the above named Bruce Lindsley to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth. Notary PUBLIC OF NEW JERSEY My Commission Expires Oct. 7, 2013 The foregoing assignment covers/patent application number 13/433,408, filed on March 29, 2012. Name of Attorney: Stephanie A. Barbosa

Page 2 of 2

Date of Insertion: 4/16/2012

Registration No.: 51,430

### **ASSIGNMENT**

WHEREAS, I, Thomas F. Murphy citizen of the United States, residing at 301 St. Peters Way, Philadelphia, Pennsylvania 19106, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number HOE-0958 ("the invention"), which is entitled VANADIUM-CONTAINING POWDER METALLURGICAL POWDERS AND METHOD OF THEIR USE ("the subject application"), and which claims priority to patent application number 61/472,262 filed April 6, 2011 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Hoeganaes Corporation**, ASSIGNEE, having a place of business at **1001 Taylors Lane**, **Cinnaminson**, **New Jersey 08077**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. Executed this \_\_\_\_\_\_day of \_\_\_\_\_\_\_, year of 2012. Signature THOMAS F. MURPHY STATEMENT OF NOTARY PUBLIC STATE OF NEW JEISLY: : SS COUNTY OF Bor/ington:
On this 10th day of April , year of 2012, before me personally known and known to me to be the came the above named Thomas F. Murphy to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth. ublic JUDY M. PAUL NOTARY PUBLIC OF NEW JERSEY My Commission Expires Oct. 7, 2013 \* The foregoing assignment covers/patent application number 13/433,408, filed on March 29, 2012. Name of Attorney: Stephanie A. Barbosa Registration No.: 51,430
Date of Insertion: 4/14/2012

Page 2 of 2

### ASSIGNMENT

WHEREAS, I, Wing-Hong Chen citizen of the United States, residing at 286 Great Road, Maple Shade, New Jersey 08052, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number HOE-0958 ("the invention"), which is entitled VANADIUM-CONTAINING POWDER METALLURGICAL POWDERS AND METHOD OF THEIR USE ("the subject application"), and which claims priority to patent application number 61/472,262, filed April 6, 2011 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Hoeganaes Corporation**, ASSIGNEE, having a place of business at **1001 Taylors Lane**, **Cinnaminson**, **New Jersey 08077**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Signature

WING-HONG CHEN

\*

STATEMENT OF NOTARY PUBLIC

STATE OF NEW SLIBEY:

: SS

COUNTY OF DUY/WG/

On this 10th day of 1, year of 2012, before me personally came the above named Wing-Hong Chen to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary PubliUDY M. PAUL NOTARY PUBLIC OF NEW JERSEY My Commission Expires Oct. 7, 2013

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The foregoing assignment covers patent application number 13/433,408, filed on March 29,

2012.

RECORDED: 04/16/2012

Name of Attorney: Stephanie A. Barbosa

Registration No.: 51,430

Date of Insertion: 4/16/2012