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To The Honorable Commissioner of Patents and Trademarks, 102622371, attached original documents or copy thereof.

1. Name of conveying party(ies): 1-24-02

Kalathur S. Narasimhan 08/01/00  
First Assignor Date of Execution

Nikhilesh Chawla 08/01/00  
Second Assignor Date of Execution

Third Assignor Date of Execution

Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached?  YES  NO

2. Name and address of receiving party(ies):

Name: Hoeganaes Corporation

Street Address: River Road and Taylors Lane

City: Riverton

State: New Jersey ZIP 08077

Additional name(s) & address attached?  YES  NO

3. Nature of Conveyance (check only one):

New Assignment  Merger  
 License Agreement  Security Agreement  
 Change of Name  Other:

(X) Cross-reference of Assignment filed in United States Application No. 09/557,249, recorded on 08/16/00 at Reel No. 011061 and Frame No. 0955.

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:	Patent Nos.:	Date application was signed by the first named executing inventor
10/008,065 filed 11/05/01		

(Fill-in this date only if assignment is filed together with a new application)

5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: Stephen C. Timmins  
WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, Pennsylvania 19103-7301  
215-568-3100

02/07/2004 TBIAZ1 00000046 10000065  
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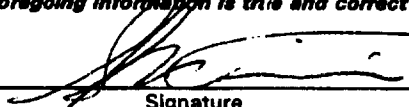
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$40.00  
 Enclosed  
 Authorized to be charged to Deposit Account Number 23-3050

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Stephen C. Timmins/48,481  
 Name of Person Signing/Reg. No.  Signature 1/3/02 Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 5

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

(Pending Application;  
Serial No. Known)

DOCKET NO.: HOE-0610

ASSIGNMENT

WHEREAS, we **Kalathur S. Narasimhan and Nikhilesh Chawla**, hereinafter referred to as the assignors, residing respectively at **156 Ramblewood Road, Moorestown, New Jersey 08057** and **215 E. Camden Avenue, Moorestown, New Jersey 08057** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/557,249**, filed April 24, 2000, entitled **Improved Metal-Based Powder Compositions Containing Silicon Carbide As An Alloying Powder**; and

WHEREAS, **Hoeganaes Corporation** hereinafter referred to as the assignee, of **River Road and Taylors Lane, Riverton, New Jersey 08077**, a corporation of **Delaware**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign

**PATENT  
Joint Inventors**

applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Kalathur S. Narasimhan (L.S.)  
Kalathur S. Narasimhan

Nikhil Chawla (L.S.)  
Nikhil Chawla

[WHERE ALL INVENTORS SIGN BEFORE THE SAME NOTARY:]

New Jersey :  
: SS  
COUNTY OF Burlington :

On this 1 day of August, 192000, before me personally came the above named Kalathur S. Narasimhan and Nikhilesh Chawla 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.

Dorothy Armstrong  
Notary Public

DOROTHY ARMSTRONG  
NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES AUG. 29, 2001

[WHERE INVENTORS SIGN BEFORE SEPARATE NOTARIES:]

\_\_\_\_\_  
: SS  
COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally came the above named Kalathur S. Narasimhan 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

\_\_\_\_\_  
: SS  
COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally came the above named Nikhilesh Chawla 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