

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael R. Reese</td> <td>11/15/2010</td> </tr> <tr> <td>Federico Bellin</td> <td>12/14/2010</td> </tr> <tr> <td>Alfazazi Dourfaye</td> <td>11/16/2010</td> </tr> <tr> <td>Gary M. Thigpen</td> <td>11/15/2010</td> </tr> </tbody> </table>		Name	Execution Date	Michael R. Reese	11/15/2010	Federico Bellin	12/14/2010	Alfazazi Dourfaye	11/16/2010	Gary M. Thigpen	11/15/2010
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Federico Bellin	12/14/2010										
Alfazazi Dourfaye	11/16/2010										
Gary M. Thigpen	11/15/2010										
<b>RECEIVING PARTY DATA</b>											
Name:	Varel Europe S.A.S.										
Street Address:	45, Avenue Leon Blum										
Internal Address:	Pau Cite Multimedia, Batiment D										
City:	Pau Cedex 09										
State/Country:	FRANCE										
Postal Code:	64054										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12916815</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12916815						
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Application Number:	12916815										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(713)751-3290										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	713-751-3200										
Email:	houpatentdocket@kslaw.com										
Correspondent Name:	KING & SPALDING, LLP										
Address Line 1:	1100 LOUISIANA ST., STE. 4000										
Address Line 2:	ATTN.: IP Docketing										
Address Line 4:	HOUSTON, TEXAS 77002-5213										
ATTORNEY DOCKET NUMBER:	15268.105034										
NAME OF SUBMITTER:	Rajesh D. Patel										

OP \$40.00 12916815

**501406815**

**PATENT**  
**REEL: 025643 FRAME: 0392**

Total Attachments: 6

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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Michael R. Reese  
Federico Bellin  
Alfazazi Dourfaye  
Gary M. Thigpen

Additional name(s) of conveying party(ies) attached?  Yes  No

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

Name: Varel Europe S.A.S.

Internal Address: Pau Cite Multimedia, Batiment D

Street Address: 45, Avenue Leon Blum

City: Pau Cedex 09

State: \_\_\_\_\_

Country: France Zip: 64054

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 11/15/10, 11/16/10, 12/14/10

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/916,815

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: King & Spalding LLP

Internal Address: Suite 4000 IP Department

Street Address: 1100 Louisiana Street

City: Houston

State: Texas Zip: 77002

Phone Number: 713-751-3200

Fax Number: 713-751-3290

Email Address: Houpatentdocket@kslaw.com

**6. Total number of applications and patents involved:** 1**7. Total fee (37 CFR 1.21(h) & 3.41)** \$40.00

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature

1-14-2011  
Date

Rajesh D. Patel Reg. No. 57,798  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## ASSIGNMENT

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WHEREAS, we, **Michael R. Reese**, a citizen of the United States, residing at 2806 Twin Fountains Drive, Houston, Texas 77068, United States, **Federico Bellin**, a citizen of Italy, residing at 44, Avenue du Loup, 64000 Pau, France, **Alfazazi Dourfaye**, a citizen of France, residing at 82 Avenue, Philippe Auguste, 75011 Paris, France, and **Gary M. Thigpen**, a citizen of the United States, residing at 1007 Rosemeadow Drive, Houston, Texas 77094, United States, have invented certain inventions and improvements disclosed in a non-provisional application for Letters Patent entitled, “**Synthetic Materials For PDC Cutter Testing Or For Testing Other Superhard Materials**”, filed with the U.S. Patent and Trademark Office on November 1, 2010 and assigned U.S. Patent Application No. 12/916,815; and

WHEREAS, **Varel Europe S.A.S.**, a French corporation having a principal place of business at Pau Cité Multimédia, Bâtiment D, 45, Avenue Léon Blum, 64054 PAU Cedex 09, France, is desirous of acquiring an interest in the same.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **Michael R. Reese**, **Federico Bellin**, **Alfazazi Dourfaye**, and **Gary M. Thigpen**, by these presents do sell, assign, and transfer to **Varel Europe S.A.S.**, the full, exclusive, and entire right, title, and interest in and to said application, in and to any divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, reexamination, or reissue thereof, to **Varel Europe S.A.S.** as the assignee, for its interest and for the sole use and benefit of **Varel Europe S.A.S.** and its assigns and legal representatives;

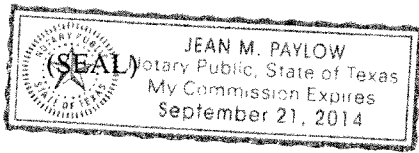
For the same consideration, we by these presents, do sell, assign, and transfer to **Varel Europe S.A.S.** the full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **Varel Europe S.A.S.** or its designee insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reexamination, reissue, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **Varel Europe S.A.S.**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Michael R. Reese  
Michael R. Reese

STATE OF Texas

Before me, a Notary Public in and for the State of Texas, on this 15<sup>TH</sup> day of November, 2010, personally appeared **Michael R. Reese**, who, being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



J. M. Pavlow  
NOTARY PUBLIC  
My Commission Expires: Sept 21, 2014

\_\_\_\_\_  
**Federico Bellin**

**Witness Statement:**

On this \_\_\_\_\_ day of \_\_\_\_\_, 2010, in the city of \_\_\_\_\_, in the country of \_\_\_\_\_, personally appeared **Federico Bellin**, who, before me, signed and acknowledged the foregoing Assignment as his free act and deed.

\_\_\_\_\_  
WITNESS SIGNATURE

Printed name: \_\_\_\_\_

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reexamination, reissue, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **Varel Europe S.A.S.**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

\_\_\_\_\_  
**Michael R. Reese**


STATE OF \_\_\_\_\_

Before me, a Notary Public in and for the State of \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared **Michael R. Reese**, who, being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

\_\_\_\_\_  
NOTARY PUBLIC

(SEAL)

My Commission Expires: \_\_\_\_\_

  
\_\_\_\_\_  
**Federico Bellin**

**Witness Statement:**

On this 14 day of DECEMBER, 2010, in the city of PARIS, in the country of FRANCE, personally appeared **Federico Bellin**, who, before me, signed and acknowledged the foregoing Assignment as his free act and deed.

  
\_\_\_\_\_  
WITNESS SIGNATURE

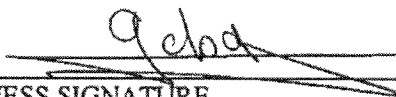
Printed name: DOURFAYE



\_\_\_\_\_  
Alfazazi Dourfaye

**Witness Statement:**

On this 16 day of November, 2010, in the city of Paris, in the country of France, personally appeared **Alfazazi Dourfaye**, who, before me, signed and acknowledged the foregoing Assignment as his free act and deed.



\_\_\_\_\_  
WITNESS SIGNATURE

Printed name: GABAS Xavier

\_\_\_\_\_  
**Gary M. Thigpen**

STATE OF \_\_\_\_\_

Before me, a Notary Public in and for the State of \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared **Gary M. Thigpen**, who, being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
**Alfazazi Dourfaye**

**Witness Statement:**

On this \_\_\_\_\_ day of \_\_\_\_\_, 2010, in the city of \_\_\_\_\_, in the country of \_\_\_\_\_, personally appeared **Alfazazi Dourfaye**, who, before me, signed and acknowledged the foregoing Assignment as his free act and deed.

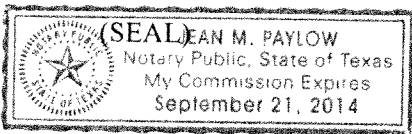
\_\_\_\_\_  
WITNESS SIGNATURE

Printed name: \_\_\_\_\_

  
\_\_\_\_\_  
**Gary M. Thigpen**

STATE OF Texas

Before me, a Notary Public in and for the State of Texas, on this 15<sup>th</sup> day of November, 2010, personally appeared **Gary M. Thigpen**, who, being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



NOTARY PUBLIC 

My Commission Expires: Sept 21, 2014