

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jiang Qian</td><td>07/27/2010</td></tr><tr><td>Debkumar Mukhopadhyay</td><td>07/26/2010</td></tr><tr><td>Jason Wiggins</td><td>07/26/2010</td></tr><tr><td>Kenneth E. Bertagnolli</td><td>07/26/2010</td></tr><tr><td>Shawn C. Scott</td><td>07/27/2010</td></tr><tr><td>Kevin Duy Nguyen</td><td>07/27/2010</td></tr><tr><td>Michael A. Vail</td><td>07/29/2010</td></tr></tbody></table>		Name	Execution Date	Jiang Qian	07/27/2010	Debkumar Mukhopadhyay	07/26/2010	Jason Wiggins	07/26/2010	Kenneth E. Bertagnolli	07/26/2010	Shawn C. Scott	07/27/2010	Kevin Duy Nguyen	07/27/2010	Michael A. Vail	07/29/2010
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<table border="1"><tr><td>Name:</td><td>US Synthetic Corporation</td></tr><tr><td>Street Address:</td><td>1260 South 1600 West</td></tr><tr><td>City:</td><td>Orem</td></tr><tr><td>State/Country:</td><td>UTAH</td></tr><tr><td>Postal Code:</td><td>84058</td></tr></table>		Name:	US Synthetic Corporation	Street Address:	1260 South 1600 West	City:	Orem	State/Country:	UTAH	Postal Code:	84058						
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PROPERTY NUMBERS Total: 1																	
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CORRESPONDENCE DATA																	
Fax Number: (801)328-1707 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: 801-533-9800																	
Email: Docketing@wnlaw.com																	
Correspondent Name: Marcus S. Simon																	
Address Line 1: 60 East South Temple, 1000 Eagle Gate To																	
Address Line 4: Salt Lake City, UTAH 84111																	
ATTORNEY DOCKET NUMBER:	17901.97.1																

501258111

PATENT
REEL: 024816 FRAME: 0344

OP \$40.00 12853752

NAME OF SUBMITTER:

Marcus S. Simon

Total Attachments: 9

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WHEN RECORDED RETURN TO:

PATENT APPLICATION
Docket No: 17901.97.1

Workman Nydegger
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled "CUTTING ELEMENT ASSEMBLY INCLUDING ONE OR MORE SUPERABRASIVE CUTTING ELEMENTS, DRILL BIT UTILIZING THE SAME, AND METHODS OF MANUFACTURE". Preferred embodiments of said invention are disclosed in a United States patent application which:

- ☒ is executed concurrently herewith for filing in the United States Patent and Trademark Office and has been assigned Application Serial No TBD, with a filing date of TBD.
- ☐ was previously filed in the United States Patent and Trademark Office on N/A as Application Serial No. N/A.
- ☐ is a United States National Application of PCT International Application No. N/A, filed N/A.

(The attorneys of Workman Nydegger are hereby authorized to insert the serial number and filing date when known.)

The Assignee, US Synthetic Corporation, a corporation of the state of Delaware, having a principal place of business at 1260 South 1600 West, Orem, Utah 84058, desires to secure the entire right, title and interest in said invention and the patent application filed thereon.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

Assignor hereby authorizes and requests the United States Commissioner for Patents, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration and without expense to Assignee, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of the Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

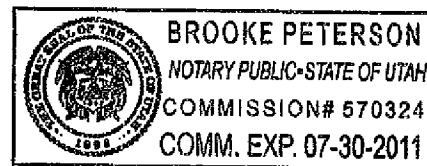
Inventor 1

Jiang _____ Qian _____
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature [Signature] Date 07/27/, 2010
Mailing Address 10537 Colonial Drive, Cedar Hills, UT 84062

STATE OF UTAH §
§
COUNTY OF UTAH §

On July 27, 2010, before me personally appeared Jiang Qian, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

[Signature]
NOTARY PUBLIC
Residing at Orem, Utah
My Commission Expires: 7/30/2010



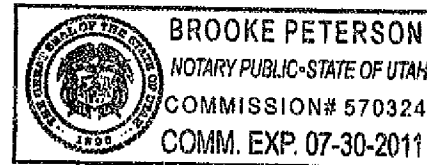
Inventor 2

Debkumar Mukhopadhyay
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature Debkumar Mukhopadhyay Date 7/26, 2010
Mailing Address 8905 Cold Water Drive, Apt. 2183, Sandy, Utah 84094

STATE OF UTAH §
§
COUNTY OF UTAH §

On July 26th, 2010, before me personally appeared Debkumar Mukhopadhyay, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

Brooke Peterson
NOTARY PUBLIC
Residing at Orem, Utah
My Commission Expires: 7-30-2011



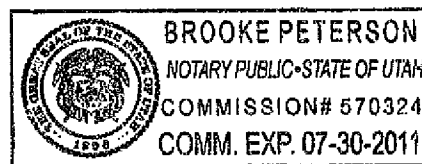
Inventor 3

Jason _____ Wiggins _____
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature [Signature] Date 26 July, 2010
Mailing Address 14282 Wayfield Drive, Draper, UT 84020

STATE OF UTAH §
COUNTY OF UTAH §

On July 26th, 2010, before me personally appeared Jason Wiggins, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

[Signature]
NOTARY PUBLIC
Residing at Orem, Utah
My Commission Expires: 7/30/2011



Inventor 4

Kenneth E. Bertagnolli
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature [Signature] Date 26 July, 2010
Mailing Address 11762 Whatta View Place, Riverton, UT 84065

STATE OF UTAH

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COUNTY OF UTAH

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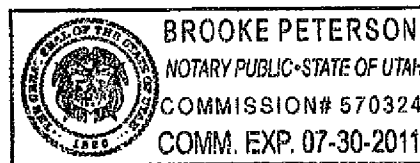
On JULY 26th, 2010, before me personally appeared Kenneth E. Bertagnolli, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

[Signature]

NOTARY PUBLIC

Residing at OREM, UTAH

My Commission Expires: 7/30/2011



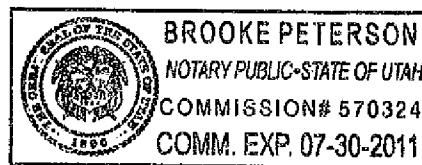
Inventor 5

Shawn _____ C. _____ Scott _____
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature _____ Date 7-27, 2010
Mailing Address 443 East 800 South, Payson, UT 84651

STATE OF UTAH §
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COUNTY OF UTAH §

On July 27th, 2010, before me personally appeared Shawn C. Scott, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

Brooke Peterson
NOTARY PUBLIC
Residing at Orem, Utah
My Commission Expires: 7/30/2011



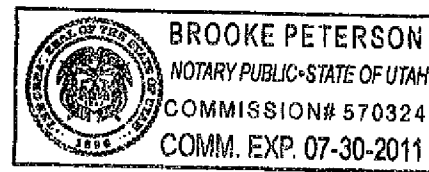
Inventor 6

Kevin Duy Nguyen
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature [Signature] Date July 27, 2010
Mailing Address 12468 Andreas Street, Riverton, UT 84096

STATE OF UTAH §
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COUNTY OF UTAH §

On July 27th, 2010, before me personally appeared Kevin Duy Nguyen, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

[Signature]
NOTARY PUBLIC
Residing at den, Utah
My Commission Expires: 7/30/2011



Inventor 7

Michael A. Vail
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature Michael A. Vail Date July 29, 2010
Mailing Address PO Box 338, Genola, UT 84655

[illegible]

On JULY 29th, 2010, before me personally appeared Michael A. Vail, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

Debra Peterson
NOTARY PUBLIC
Residing at Orem, Utah
My Commission Expires: 7/30/2011

