

**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>Jason K. Wiggins</td> <td>07/07/2010</td> </tr> <tr> <td>Kenneth E. Bertagnolli</td> <td>07/07/2010</td> </tr> <tr> <td>Gene Bogdanov</td> <td>07/08/2010</td> </tr> <tr> <td>Reinhold Ludwig</td> <td>07/07/2010</td> </tr> </tbody> </table>		Name	Execution Date	Jason K. Wiggins	07/07/2010	Kenneth E. Bertagnolli	07/07/2010	Gene Bogdanov	07/08/2010	Reinhold Ludwig	07/07/2010
Name	Execution Date										
Jason K. Wiggins	07/07/2010										
Kenneth E. Bertagnolli	07/07/2010										
Gene Bogdanov	07/08/2010										
Reinhold Ludwig	07/07/2010										
<b>RECEIVING PARTY DATA</b>											
Name:	US Synthetic Corporation										
Street Address:	1260 South 1600 West										
City:	Orem										
State/Country:	UTAH										
Postal Code:	84058										
<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>12830878</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12830878						
Property Type	Number										
Application Number:	12830878										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(801)328-1707										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	8015339800										
Email:	grendon@wnlaw.com										
Correspondent Name:	Workman Nydegger										
Address Line 1:	1000 Eagle Gate Tower										
Address Line 2:	60 East South Temple										
Address Line 4:	Salt Lake City, UTAH 84111										
ATTORNEY DOCKET NUMBER:	17901.86.1										
NAME OF SUBMITTER:	Marcus S. Simon										
Total Attachments: 6											

OP \$40.00 12830878

**501246336**

**PATENT  
 REEL: 024754 FRAME: 0680**

source=17901-86-1\_Assignment#page1.tif  
source=17901-86-1\_Assignment#page2.tif  
source=17901-86-1\_Assignment#page3.tif  
source=17901-86-1\_Assignment#page4.tif  
source=17901-86-1\_Assignment#page5.tif  
source=17901-86-1\_Assignment#page6.tif

WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket No: 17901.86.1

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

---

A S S I G N M E N T

---

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled METHODS FOR NON-DESTRUCTIVELY TESTING A POLYCRYSTALLINE DIAMOND COMPACT, RELATED ELECTRICAL IMPEDANCE TOMOGRAPHY SYSTEMS, AND ROTARY DRILL BIT INCLUDING SELECTIVELY ORIENTED POLYCRYSTALLINE DIAMOND CUTTER. 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 N/A, with a filing date of N/A.
- was previously filed in the United States Patent and Trademark Office on July 6, 2010 as Application Serial No. 12/830,878.
- 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**

Jason \_\_\_\_\_ K. \_\_\_\_\_ Wiggins \_\_\_\_\_  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_ Date 7 JULY, 2010

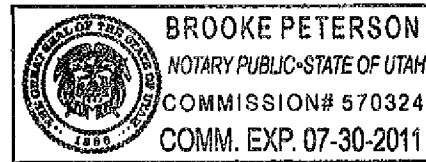
Mailing Address 14282 Wayfield Drive, Draper, Utah 84020

STATE OF UTAH §

COUNTY OF UTAH §

On July 7<sup>th</sup>, 2010, before me personally appeared Jason K. 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 oreem, Utah  
My Commission Expires: 7/30/2011







**Inventor 4**

Reinhold Ludwig  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  
Inventor's signature Reinhold Ludwig Date 7/7, 2010  
Mailing Address 170 Suomi Street, Paxton, Massachusetts 01612