

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Debkumar Mukhopadhyay	02/24/2009
Kenneth E. Bertagnolli	02/24/2009
RECEIVING PARTY DATA	
Name:	US Synthetic Corporation
Street Address:	1260 South 1600 West
City:	Orem
State/Country:	UTAH
Postal Code:	84058
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12393391
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:	dso@wnlaw.com
Correspondent Name:	Marcus S. Simon
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:	17901.74
NAME OF SUBMITTER:	Marcus S. Simon

Total Attachments: 4  
 source=Recorded\_Assignment#page1.tif  
 source=Recorded\_Assignment#page2.tif

**500791996**

**PATENT**  
**REEL: 022316 FRAME: 0404**

**OP \$40.00 12393391**

source=Recorded\_Assignment#page3.tif  
source=Recorded\_Assignment#page4.tif

WHEN RECORDED RETURN TO:

PATENT APPLICATION  
Docket No: 17901.74

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 Polycrystalline Diamond Compact Including A Cemented Tungsten Carbide Substrate That Is Substantially Free Of Tungsten Carbide Grains Exhibiting Abnormal Grain Growth And Applications Therefor. 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 12/393,391, with a filing date of February 26, 2009.
- 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**

Debkumar \_\_\_\_\_ Mukhopadhyay \_\_\_\_\_

(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature Debkumar Mukhopadhyay Date 2/24, 2009

Mailing Address 8905 Cold Water Drive, Apt. 2183, Sandy, Utah 84094

STATE OF UTAH §

COUNTY OF UTAH §

On February 24<sup>th</sup>, 2009, 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.

[Signature]

NOTARY PUBLIC

Residing at 1200 S. 1600 W. OREM, UT

My Commission Expires: 7-30-2011



