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Docket No.: 4610 P

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P08/REV03

RE

08-30-2005

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To the Director of the United States Patent and Trademark Office 103070839

attached original documents or copy thereof.

1. Name of conveying party(ies):

Kenneth E. Bertagnoli
Michael A. Vail

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

Name: **U.S. Synthetic Corporation**

Internal Address:

113255 U.S. PTO
11/210292
082405

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

Street Address: **1260 South 1600 West**

City: **Orem84058** State: **UT** ZIP: **84058**

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: **August 18, 2005, August 22, 2005**

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

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

If this document is being filed together with a new application, the execution date of the application is: **Aug. 22, 2005**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Lloyd W. Sadler**

Internal Address: **Snell & Willmer, LLP**

6. Total number of applications and patents involved: **one**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

19-2814

(Attach duplicate copy of this page if paying by deposit account)

08/29/2005 ECOOPER 00000156 192814 11210292

01 FC:8021 40.00 DA

Street Address: **15 West South Temple**

Suite 1200

City: **Salt Lake City** State: **UT** ZIP: **84101**

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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.

Lloyd W. Sadler

Name of Person Signing

Signature

24 August 2005

Date

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

3

Mail documents to be recorded with required cover sheet information to:
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PATENT
REEL: 016919 FRAME: 0359

ASSIGNMENT

WHEREAS, Kenneth E. Bertagnolli and Michael A. Vail have made an invention or discovery entitled **POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTING ELEMENT HAVING MULTIPLE CATALYTIC ELEMENTS** which is described and claimed in the attached United States patent application; and

WHEREAS, U.S. Synthetic Corporation, (U.S. Synthetic) a Utah corporation, is desirous of acquiring all their rights, title and interest in said invention or discovery:

NOW, THEREFORE, in return for good and valuable consideration, receipt of which is hereby acknowledged, I by these presents do sell, assign, and transfer unto U.S. Synthetic all my rights, title and interest in and to the following: (1) said invention or discovery as described in said application, (2) said application, (3) any letters Patent issuing from said application and (4) all intellectual property (including patent rights, trade secrets and copyrights) in or to said invention or discovery. Said assignment is without any geographic limitation and shall include the United States of America and all foreign countries. All my rights, title and interest in said invention or discovery, said application, any Letters Patent issuing from said application and said intellectual property are to be held and enjoyed by U.S. Synthetic, for its own use and behalf, and for that of its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment and sale not been made. U.S. Synthetic shall be free to assign, license or otherwise exploit said invention or discovery, said application, any Letters Patent issuing from said application, and said intellectual property.

AND I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any other application (including divisional, continuing, reissue and foreign applications) based on the present application or said invention or discovery. Any such other application is deemed to be part of the above assignment.

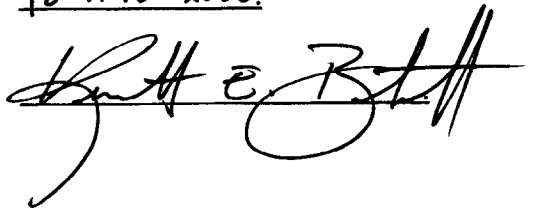
AND I do further agree to communicate to U.S. Synthetic, its successors, assigns or other legal representatives, such facts relating to said invention as may be known to me, and to testify as to such facts in any prosecution, interference or litigation.

EXECUTED by the undersigned on the date indicated.

INVENTOR'S FULL NAME: Kenneth E. Bertagnolli

DATE: 18-Aug-2005.

INVENTOR'S SIGNATURE:

A handwritten signature in black ink, appearing to read 'Kenneth E. Bertagnolli', written over a horizontal line.

INVENTOR'S FULL NAME: Michael A. Vail

DATE: August 22, 2005.

INVENTOR'S SIGNATURE: 