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| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | |
|-----------------------|--|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the receiving party previously recorded on Reel 016565 Frame 0084. Assignor(s) hereby confirms the receiving party. | |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Surojit Gupta | 05/03/2005 |
| Michel Barsoum | 05/03/2005 |

RECEIVING PARTY DATA

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|-------------------|-------------------|
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| Internal Address: | Suite #100 |
| City: | Philadelphia |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 19104 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11127522 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | H0007964 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | Paul D. Amrozowicz |

Total Attachments: 5

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PATENT REEL: 020818 FRAME: 0102

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> PATENT REEL: 020818 FRAME: 0103

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| | Surojit Gupta Michel Barsoum | Name: HONEYWELL INTERNATIONAL, INC. | |
| | more pareau | Internal Address: Law Dept. AB2 | |
| 1 | | | |
| V | Execution Date(s) 05/03/2005 | Street Address: P.O. Box 2245 | |
| $\frac{0}{0}$ | Additional name(s) of conveying party(ies) attached? Yes 🗸 No | | |
| 0 | 3. Nature of conveyance: | | |
| 10 | ✓ Assignment Merger | City: Morristown | |
| 50 | Security Agreement Change of Name | State: NJ | |
| | Government Interest Assignment | Country: USA Zip: 07962-9806 | |
| | Executive Order 9424, Confirmatory License | 21p. 473023000 | |
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| | | document is being filed together with a new application. | |
| | A. Patent Application No.(s) | B. Patent No.(s) | |
| 5/16/200 | DTESSEM1 00000041 11127522 | | |
| 4 FC:802 | 40.00 OP | | |
| | Additional numbers att | ached? Yes No | |
| | 5. Name and address to whom dorrespondence concerning document should be mailed: | 6. Total number of applications and patents involved: | |
| | Name: Robert Desmond, Esq. | | |
| | | 7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00 | |
| | Internal Address: Honeywell International, Inc. Law Dept. AB2 | Authorized to be charged by credit card | |
| | | Authorized to be charged to deposit account Enclosed | |
| | Street Address: P.O. Box 2245 | None required (government interest not affecting title) | |
| | | 8. Payment Information | |
| | City: Morristown | a. Credit Card Last 4 Numbers | |
| | State: NJ Zip: 07962-9806 | Expiration Date | |
| | Phone Number: (602) 365-2588 | b. Deposit Account Number | |
| | Fax Number: (602) 365-2490 | Authorized User Name | |
| | Email Address: robert.desmond@honeywell.com | | |
| | 9. Signature: | 1 May 10, 2005 | |
| | Signature | Date | |
| | David K. Benson Name of Person Signing | Total number of pages including cover sheet, attachments, and documents: | |
| | Name of Person Signing | onoot, attaonmente, and accumente. | |

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT REEL: 020818 FRAME: 0104

United States Patent Application Attorney Docket No.: H0007964-3136 First Named Inventor: Surojit Gupta

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

TERNARY CARBIDE AND NITRIDE MATERIALS HAVING TRIBOLOGICAL APPLICATIONS AND METHODS OF MAKING SAME

| for v | which application for Letters Patent of the United States | : | |
|-------|---|-------------------------------|---|
| [X] | has been executed on even date herewith; | | , |
| | executed on; | | * |
| [] | was filed on and assigned U.S. Application Serial No | | |
| | AND WHEDEAS Dravel University a non-mod | fit advantianal institution . | |

AND WHEREAS, Drexel University, a non-profit educational institution with offices at 3201 Arch Street Suite #100, Philadelphia, Pennsylvania;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEES, their successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEES, for the sole use and benefit of ASSIGNEES, its successors, assigns and legal representatives,

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEES, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEES, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

PATENT REEL: 020818 FRAME: 0105 IF&L Form - Assignment

ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEES.

EXECUTED as of the date(s) written below by ASSIGNOR:

Surgist Gunta

Michel Barsoum

Date: My 3, 2019

Date: May 3, 2001

PATENT

REEL: 020818 FRAME: 0106

RECORDED: 04/17/2008