506381564 12/02/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6428320

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | |
|------------------|---|--|
| | Corrective Assignment to correct the APPLICATION NUMBER previously recorded on Reel 051250 Frame 0768. Assignor(s) hereby confirms the APPLICATION NUMBER SHOULD READ 16/399,391. | |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| PRERNA SONTHALIA GORADIA | 06/11/2019 |
| YOGITA PAREEK | 12/04/2019 |
| GEETIKA BAJAJ | 06/11/2019 |
| ROBERT JAN VISSER | 06/09/2019 |
| NITIN K. INGLE | 12/04/2019 |

RECEIVING PARTY DATA

| Name: | APPLIED MATERIALS, INC. |
|-----------------|-------------------------|
| Street Address: | 3050 BOWERS AVENUE |
| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95054 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16399391 |

CORRESPONDENCE DATA

Fax Number: (303)571-4321

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 303-571-4000

Email: cwsimmons@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/AMAT

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

| ATTORNEY DOCKET NUMBER: | 80042-44015289US2-1133219 |
|-------------------------|---------------------------|
| NAME OF SUBMITTER: | CHELSEA SIMMONS |
| SIGNATURE: | /Chelsea Simmons/ |
| DATE SIGNED: | 12/02/2020 |

PATENT 506381564 REEL: 054574 FRAME: 0017

Total Attachments: 9

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12/11/2019 505815606

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5862435

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| PRERNA SONTHALIA GORADIA | 06/11/2019 |
| YOGITA PAREEK | 12/04/2019 |
| GEETIKA BAJAJ | 06/11/2019 |
| ROBERT JAN VISSER | 06/09/2019 |
| NITIN K. INGLE | 12/04/2019 |

RECEIVING PARTY DATA

| Name: | APPLIED MATERIALS, INC |
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| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95054 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16339391 |

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Phone: 303-571-4000

Email: sbuta@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/AMAT

Address Line 1: 1100 PEACHTREE STREET

SUITE 2800 Address Line 2:

Address Line 4: ATLANTA, GEORGIA 30309

| ATTORNEY DOCKET NUMBER: 80042-44015289US2-1133219 | |
|--|--------------|
| NAME OF SUBMITTER: | SARAH BUTA |
| SIGNATURE: | /Sarah Buta/ |
| DATE SIGNED: | 12/11/2019 |

Total Attachments: 8

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

| 1) | Prerna Sonthalia Goradia 501 Chandan, S V Road Vile Parle (West) Mumbai – 400 056 India | 2) | Yogita Pareek 1002 Niguel Ln San Jose, CA 95138 |
|----|---|----|---|
| 3) | Geetika Bajaj 3/63-A Moti Nagar New Delhi 110015 India | 4) | Robert Jan Visser 2320 Eastridge Ave Menlo Park, CA 94025 |
| 5) | Nitin K. Ingle 1435 Graywood Dr. San Jose, CA 95129 | | |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

SELECTIVE NITRIDE REMOVAL

for which application for Letters Patent in the United States was filed on April 30, 2019, under Application No. 16/339,391, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

1

- 2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.
- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

| 1) | 06/11/2019 DATE | Prerna Sonthalia Goradia |
|----|--------------------|--------------------------|
| 1) | DATE | Yogita Pareek Rayaij |
| 2) | 6 11 2019 DATE | Geetika Bajaj |
| 4) | DATE | Robert Jan Visser |
| 5) | DATE | Nitin K. Ingle |

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

| 1) | Prerna Sonthalia Goradia 501 Chandan, S V Road Vile Parle (West) Mumbai – 400 056 India | 2) | Yogita Pareek 1002 Niguel Ln San Jose, CA 95138 |
|----|---|----|---|
| 3) | Geetika Bajaj 3/63-A Moti Nagar New Delhi 110015 India | 4) | Robert Jan Visser 2320 Eastridge Ave Menio Park, CA 94025 |
| 5) | Nitin K. Ingle 1435 Graywood Dr. San Jose, CA 95129 | | |

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1

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- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

| 1) | DATE | Prerna Sonthalia Goradia |
|----|------------------------|--------------------------|
| 1) | 12 04 2019 DATE | Yagla Pareek |
| 2) | DATE | Geetika Bajaj |
| 4) | DATE | Robert Jan Visser |
| 5) | DATE | Nitin K. Ingle |

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

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| 3) | Geetika Bajaj 3/63-A Moti Nagar New Delhi 110015 India | 4) | Robert Jan Visser 2320 Eastridge Ave Menlo Park, CA 94025 | |
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| 1) | | |
|----|---------|--|
| | DATE | Prema Sonthalia Goradia |
| | | |
| 1) | | |
| | DATE | Yogita Pareek |
| | | |
| 2) | | |
| | DATE | Geetika Bajaj |
| | | A Committee of the Comm |
| 4) | 6/4/// | the state of the s |
| | DATE/// | Motert Jan Visser |
| | | |
| 5) | | |
| | DATE | Nitin K. Ingle |

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7

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| 1) | DATE | Yogita Pareek |
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| 5) | 09DEC 2019 | 1996 Niin X Ingle |

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