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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7644374

|                              |  |
|------------------------------|--|
| <b>SUBMISSION TYPE:</b>      | CORRECTIVE ASSIGNMENT  |
| <b>NATURE OF CONVEYANCE:</b> | Corrective Assignment to correct the APPLICATION NUMBER previously recorded on Reel 060673 Frame 0899. Assignor(s) hereby confirms the APPLICATION NUMBER SHOULD BE CORRECTED FROM 17596021 TO 17596921. |

**CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| SEONGJUN HEO      | 07/02/2020     |
| JENGYI YU         | 07/02/2020     |
| CHEN-WEI LIANG    | 07/02/2020     |
| ALAN J. JENSEN    | 07/02/2020     |
| SAMANTHA S.H. TAN | 07/02/2020     |

**RECEIVING PARTY DATA**

|                        |                          |
|------------------------|--------------------------|
| <b>Name:</b>           | LAM RESEARCH CORPORATION |
| <b>Street Address:</b> | 4650 CUSHING PARKWAY     |
| <b>City:</b>           | FREMONT                  |
| <b>State/Country:</b>  | CALIFORNIA               |
| <b>Postal Code:</b>    | 94538                    |

**PROPERTY NUMBERS Total: 1**

| Property Type              | Number   |
|----------------------------|----------|
| <b>Application Number:</b> | 17596921 |

**CORRESPONDENCE DATA**

**Fax Number:** (510)663-0920  
*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.*  
**Email:** mcalavita@wavsip.com  
**Correspondent Name:** WEAVER AUSTIN VILLENEUVE & SAMPSON LLP  
**Address Line 1:** P.O. BOX 70250  
**Address Line 4:** OAKLAND, CALIFORNIA 94612-0250

|                                |                     |
|--------------------------------|---------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | LAMRP499US/9745-2US |
| <b>NAME OF SUBMITTER:</b>      | MICHELLE CALAVITA   |
| <b>SIGNATURE:</b>              | /Michelle Calavita/ |
| <b>DATE SIGNED:</b>            | 11/14/2022          |

Total Attachments: 5

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7459816

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|---|--|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                         |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                             |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>                  |
| SEONGJUN HEO  | 07/02/2020                             |
| JENGYI YU   | 07/02/2020                             |
| CHEN-WEI LIANG  | 07/02/2020                             |
| ALAN J. JENSEN  | 07/02/2020                             |
| SAMANTHA S.H. TAN   | 07/02/2020                             |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | LAM RESEARCH CORPORATION               |
| <b>Street Address:</b>  | 4650 CUSHING PARKWAY                   |
| <b>City:</b>  | FREMONT                                |
| <b>State/Country:</b>   | CALIFORNIA                             |
| <b>Postal Code:</b>   | 94538                                  |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>                          |
| <b>Application Number:</b>  | 17596021                               |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (510)663-0920                          |
| <i>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.</i> |  |
| <b>Email:</b>   | mcalavita@wavsip.com                   |
| <b>Correspondent Name:</b>  | WEAVER AUSTIN VILLENEUVE & SAMPSON LLP |
| <b>Address Line 1:</b>  | P.O. BOX 70250                         |
| <b>Address Line 4:</b>  | OAKLAND, CALIFORNIA 94612-0250         |
| <b>ATTORNEY DOCKET NUMBER:</b>  | LAMRP499US/9745-2US                    |
| <b>NAME OF SUBMITTER:</b>   | MICHELLE CALAVITA                      |
| <b>SIGNATURE:</b>   | /MICHELLE CALAVITA/                    |
| <b>DATE SIGNED:</b>   | 07/29/2022                             |
| <b>Total Attachments: 2</b>   |  |
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## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned named inventor, possess the right, title and interest for and in the Invention(s) as set forth in the PCT international patent application entitled: **ALTERNATING ETCH AND PASSIVATION PROCESS** (Atty. Docket No. LAMRP499WO\_9745-1WO, and

(1) for which I am a named inventor on a PCT international patent application that designates the U.S.;

AND/OR

2020

(2) the same having been filed on (June 22, ~~2022~~) as PCT Application No. (PCT/US20/38996);

AND/OR


(3) which claims priority to U.S. Provisional Patent Application filed on (June 27, 2019) as Application No. (62/867,797);

in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number **83422** to insert within the foregoing parentheses the filing date and/or Application No. of said application when known.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned named inventor, hereby:

- 1) Sell, assign and transfer to **Lam Research Corporation**, a Delaware corporation having a place of business at 4650 Cushing Parkway, Fremont, CA 94538 ("ASSIGNEE"), the entire right, title and interest, including the right to claim priority, in the above-referenced application including any and all improvements and inventions disclosed therein, and in U.S. and foreign applications based upon, and U.S. and foreign patents granted upon, the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the named inventor, as well as the named inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

- 1) Signature:  Date: 7/2/2020  
Typed Name: Seongjun Heo
  
- 2) Signature:  Date: 7/2/2020  
Typed Name: Jengyi Yu
  
- 3) Signature:  Date: 7/2/2020  
Typed Name: Chen-Wei Liang
  
- 4) Signature: Alan J. Jensen Date: 7/2/2020  
Typed Name: Alan J. Jensen
  
- 5) Signature: Samantha Tan Date: 7/2/2020  
Typed Name: Samantha S.H. Tan