

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI102153

|                                                                                                                                                                                                 |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                      |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                          |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                     |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>               |
| Christopher C. LaFrieda                                                                                                                                                                         | 12/23/2020                          |
| Virantha Namal Ekanayake                                                                                                                                                                        | 12/23/2020                          |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                     |
| <b>Company Name:</b>                                                                                                                                                                            | Achronix Semiconductor Corporation  |
| <b>Street Address:</b>                                                                                                                                                                          | 2903 Bunker Hill Lane Suite 200     |
| <b>City:</b>                                                                                                                                                                                    | Santa Clara                         |
| <b>State/Country:</b>                                                                                                                                                                           | CALIFORNIA                          |
| <b>Postal Code:</b>                                                                                                                                                                             | 95054                               |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                     |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                       |
| <b>Application Number:</b>                                                                                                                                                                      | 18144609                            |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                     |
| <b>Fax Number:</b>                                                                                                                                                                              |                                     |
| <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>Phone:</b>                                                                                                                                                                                   | 6123736900                          |
| <b>Email:</b>                                                                                                                                                                                   | request@slwip.com                   |
| <b>Correspondent Name:</b>                                                                                                                                                                      | Schwegman Lundberg & Woessner, P.A. |
| <b>Address Line 1:</b>                                                                                                                                                                          | 1600 TCF Tower                      |
| <b>Address Line 2:</b>                                                                                                                                                                          | 121 South Eighth Street             |
| <b>Address Line 4:</b>                                                                                                                                                                          | Minneapolis, MINNESOTA 55402        |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | Kimberlie Pates                     |
| <b>SIGNATURE:</b>                                                                                                                                                                               | Kimberlie Pates                     |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 03/18/2024                          |
| <b>Total Attachments: 5</b>                                                                                                                                                                     |                                     |
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Form PTO-1595 (Rev. 6-18)  
OMB No. 0651-0027 (exp. 10/31/2024)

U.S. Department of Commerce  
United States Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**

Christopher C. LaFrieda, Virantha Namal Ekanayake

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s): December 23, 2020, December 23, 2020

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

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

Name: Achronix Semiconductor Corporation

Street 2903 Bunker Hill Lane  
Address: Suite 200

City: Santa Clara

State/Province: CA

Zip: 95054

Country: United States of America

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s): ☐ This document serves as an Oath/Declaration (37 CFR 1.63)

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 18/144,609

Additional numbers attached? ☐ Yes ☒ No

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

Name: Domenico L. Ippolito

Address:

Schwegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, Minnesota 55402

Phone Number: (408) 660-2987

Docket Number: 2695.044US2

Email Address: request@slwip.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41): \$0.00

☐ Authorized to be charged to deposit account 19-0743

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account No.: 19-0743

Authorized User Name: Domenico L. Ippolito

9. Signature:

Domenico L. Ippolito/Reg. No. 66,058

Name of Person Signing

/ Domenico Ippolito

Signature

Mar 18, 2024

Date

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

**PATENT**  
**REEL: 066812 FRAME: 0975**

## ASSIGNMENT

WHEREAS, Christopher LaFrieda and Virantha Ekanayake (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on 12/28/2020, assigned US application serial number 17/134,838, and titled ADDER CIRCUIT USING LOOKUP TABLES.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Achronix Semiconductor Corporation (the "Assignee"), a corporation of the State of Delaware, having a place of business at 2903 Bunker Hill Lane, Suite 200, Santa Clara, CA 95054, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

**Assignment**

Assignors: Christopher LaFrieda et al.

Title: ADDER CIRCUIT USING LOOKUP TABLES

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Docket No: 2695.044US1

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

**Assignment**

Docket No: 2695.044US1

Assignors: Christopher LaFrieda et al.

Title: ADDER CIRCUIT USING LOOKUP TABLES

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**Assignor:**

(Signature):

Christopher LaFrieda

Name: Christopher LaFrieda

City/State or Country: Ridgefield, NJ

Date:

12/23/2020

**Assignment**

Docket No: 2695.044US1

Assignors: Christopher LaFrieda et al.

Title: ADDER CIRCUIT USING LOOKUP TABLES

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**Assignor:**

(Signature):



Name: **Virantha Ekanayake**

City/State or Country: **Baltimore, MD**

Date:

12/23/2020