

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7880465

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SWARNAL BORTHAKUR | 09/02/2020 |
| MARC ALLEN SULFRIDGE | 09/02/2020 |
| ANDREW EUGENE PERKINS | 09/02/2020 |
| RECEIVING PARTY DATA | |
| Name: | SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC |
| Street Address: | 5701 N. PIMA ROAD |
| City: | SCOTTSDALE |
| State/Country: | ARIZONA |
| Postal Code: | 85250 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 18194714 |
| CORRESPONDENCE DATA | |
| Fax Number: | (602)244-3169 |
| <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> | |
| Phone: | 6022443676 |
| Email: | patents@onsemi.com |
| Correspondent Name: | SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC |
| Address Line 1: | 5701 N. PIMA ROAD |
| Address Line 4: | SCOTTSDALE, ARIZONA 85250 |
| ATTORNEY DOCKET NUMBER: | ONS03984C01US |
| NAME OF SUBMITTER: | KELLY A. HALL |
| SIGNATURE: | /Kelly A. Hall/ |
| DATE SIGNED: | 04/03/2023 |
| Total Attachments: 4 | |
| source=ONS03984C01US_20230403_Assignment#page1.tif | |
| source=ONS03984C01US_20230403_Assignment#page2.tif | |
| source=ONS03984C01US_20230403_Assignment#page3.tif | |
| source=ONS03984C01US_20230403_Assignment#page4.tif | |

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we,

Name _____ of (City and State OR Country) _____

| | |
|------------------------------|------------------------|
| SWARNAL BORTHAKUR | BOISE, IDAHO US |
| MARC ALLEN SULFRIDGE | BOISE, IDAHO US |
| ANDREW EUGENE PERKINS | BOISE, IDAHO US |

agree to sell, assign, and transfer, and do hereby sell, assign, and transfer to Semiconductor Components Industries, LLC, a limited liability company of the State of Delaware, having its principal office in Phoenix, State of Arizona, United States of America, and its successors, assigns, and legal representatives ("SCI"), the entire right, title, and interest in and to the inventions and discoveries as described, illustrated, and/or claimed in

Title: SEMICONDUCTOR DEVICES WITH SINGLE-PHOTON AVALANCHE DIODES AND LIGHT SCATTERING STRUCTURES

Attorney Docket No.: ONS03984US

Serial No.: 16/948105

Filing Date: September 3, 2020

together with the entire right, title, and interest in and to the above listed application(s), and in and to any and all provisional, non-provisional, divisional, continuation, continuation-in-part, international, foreign, and any and all other applications related thereto, and also including any and all grants, issuances, letters patent, reissues, reexaminations, renewals, priority rights, and priority claims related to any of the foregoing, and any and all rights to collect past damages for infringement of any of the foregoing (the "Patent Rights").


We further authorize SCI to apply for and hold and maintain the Patent Rights throughout the world directly in its own name or any other name which SCI deems appropriate in its sole discretion, and to claim the priority of the filing date of the above listed application(s).

We agree that, when requested, we will, without charge to SCI, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing, maintaining, and enforcing the Patent Rights in any and all countries and for vesting title thereto in SCI or its nominees.

We represent and warrant that we have full right to convey the entire right, title and interest herein sold, assigned, and transferred, and that the Patent Rights hereby conveyed are free from all prior assignment, grant, mortgage, license, or other encumbrance to anyone other than SCI. We covenant and further warrant that we will not convey hereafter any part of the Patent Rights to anyone other than SCI or do any act whatsoever conflicting with this ASSIGNMENT & AGREEMENT.

We hereby authorize SCI or anyone it may properly designate to insert in this ASSIGNMENT & AGREEMENT the filing date and serial number of the above listed application(s) when ascertained. More than one counterpart of this ASSIGNMENT & AGREEMENT may be executed, each of which will be deemed an original.

By (Inventor signature):



Swarnal Borthakur

Signed on this 02 day of 09, 2020
day month year

By (Inventor signature):

Marc Allen Sulfridge

Signed on this _____ day of _____, 2020
day month year

By (Inventor signature):

Andrew Eugene Perkins

Signed on this _____ day of _____, 2020
day month year

By (Inventor signature): _____
Swarnal Borthakur

Signed on this _____ day of _____, 2020
day month year

By (Inventor signature): _____
Marc Allen Sulfridge

Signed on this 2 day of September, 2020
day month year

By (Inventor signature): _____
Andrew Eugene Perkins

Signed on this _____ day of _____, 2020
day month year

By (Inventor signature): _____
Swarnal Borthakur

Signed on this _____ day of _____, 2020
day month year

By (Inventor signature): _____
Marc Allen Sulfridge

Signed on this _____ day of _____, 2020
day month year

By (Inventor signature): *Andrew Eugene Perkins*
Andrew Eugene Perkins

Signed on this ^{AEP BE} 22 day of Sept, 2020
day month year

State of Idaho }
County of Ada } ss
Subscribed and sworn (or affirmed) before me
this 22 day of Sept, 2020
Brennon J Edwards
Notary Public Signature
My Commission expires on 10/24, 2025

