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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ASIF CHOWDHURY | 11/16/2021 |
| YUSHENG BIAN | 11/16/2021 |
| RECEIVING PARTY DATA | |
| Name: | GLOBALFOUNDRIES U.S. INC. |
| Street Address: | 400 STONEBREAK ROAD EXTENSION |
| City: | MALTA |
| State/Country: | NEW YORK |
| Postal Code: | 12020 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17528385 |
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| ATTORNEY DOCKET NUMBER: | GF2021123-US-NP |
| NAME OF SUBMITTER: | WILLIAM R. ALLEN |
| SIGNATURE: | /William R. Allen/ |
| DATE SIGNED: | 11/17/2021 |
| Total Attachments: 2 | |
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| source=GF2021123-US-NP_DECs-Assignment#page2.tif | |

**COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**Title of
Invention**

AVALANCHE PHOTODETECTORS WITH A MULTIPLE-THICKNESS CHARGE SHEET

DECLARATION

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or



United States application or PCT international application number _____ filed on

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.

ASSIGNMENT

For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GlobalFoundries U.S. Inc., having a business address of 400 Stonebreak Road Extension, Malta, NY 12020 U.S.A., its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States and all foreign countries, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.

If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.

LEGAL NAME OF INVENTOR

Inventor: Asif Chowdhury

Date : 11/16/2021

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

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If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.

LEGAL NAME OF INVENTOR

Inventor: Yusheng Bian

Date : 11/16/2021

Signature: *Yusheng Bian*

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.