

## PATENT ASSIGNMENT COVER SHEET

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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>
INSTITUTE OF PHYSICS CHINESE ACADEMY OF SCIENCES	12/23/2019
<b>RECEIVING PARTY DATA</b>	
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<b>Postal Code:</b>	100190
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9340898
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<b>SIGNATURE:</b>	/Sean F. Mellino/
<b>DATE SIGNED:</b>	12/23/2019
<b>Total Attachments: 2</b>	
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### PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("Patent Assignment"), dated as of Dec, 23, 2019, is made by Institute of Physics Chinese Academy of Sciences ("Assignor"), a University of China, located at No. 8, 3rd South Street, Zhongguancun, Haidian District, Beijing, China 100190, in favor of Tankeblue Semiconductor Incorporated Corporation ("Assignee"), a Corporation of China, located at Room 118, Building A, No. 8, 3rd South Street, Zhongguancun, Haidian District, Beijing, China 100190.

WHEREAS, Assignor is an owner of the entire right, title and interest in and to the patents and/or patent applications, and the inventions disclosed therein, (hereinafter referred to collectively as the Patent Rights) identified on the attached Schedule;

WHEREAS, Assignee is desirous of obtaining all right, title and interest in and to the invention represented by the Patent Rights in the United States; and

WHEREAS, Assignor is agreeable to assigning the Patent Rights for the United States.

NOW THEREFORE, the parties agree as follows:

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1. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby irrevocably conveys, transfers, and assigns to Assignee all of Assignor's right, title, and interest in and to the following (the "Assigned Patents"):

(a) the patents set forth in Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, and renewals thereof (the "Patents");

(b) all rights of any kind whatsoever of Assignor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;

(c) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(d) any and all claims and causes of action with respect to any of the foregoing, whether accruing before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation and Further Actions. Assignor hereby authorizes the Commissioner for Patents in the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Patent Assignment upon request by Assignee. Following the date hereof, Seller shall take such steps and actions, and provide such cooperation and assistance to Assignee and its successors, assigns, and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be necessary to effect, evidence, or perfect the assignment of the Assigned Patents to Assignee, or any assignee or successor thereto.

3. Covenants. Assignor hereby covenants that it has full right to convey the rights herein assigned, and that it has not executed, and will not execute, any agreements in conflict herewith.

4. Counterparts. This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same agreement. A signed copy of this Patent Assignment delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.

5. Successors and Assigns. This Patent Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Patent Assignment and any claim, controversy, dispute, or cause of action (whether in contract, tort, or otherwise) based upon, arising out of, or relating to this Patent Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Ohio, without giving effect to any choice or conflict of law provision or rule (whether of the State of Ohio or any other jurisdiction).

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Assignor has duly executed and delivered this Patent Assignment as of the date first above written:

INSTITUTE OF PHYSICS CHINESE ACADEMY OF SCIENCES

Signature: He Liu

Name: He Liu

Title: Manager assistant

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AGREED TO AND ACCEPTED:

TANKEBLUE SEMICONDUCTOR INCORPORATED CORPORATION

Signature: Tonghua Peng

Name: Tonghua Peng

Title: Deputy General Manager

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**SCHEDULE 1  
ASSIGNED PATENTS**

**Patents**

Title	Jurisdiction	Patent No.	Issue Date
PROCESS FOR GROWING SILICON CARBIDE SINGLE CRYSTAL BY PHYSICAL VAPOR TRANSPORT METHOD AND ANNEALING SILICON CARBIDE SINGLE CRYSTAL IN SITU	USPTO	9,340,898	May 17, 2016