

## 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>
BING SHEN	11/20/2020
KEN G. PURCHASE	11/22/2020
THOMAS A. RINEHART	11/20/2020
JOHN W. WILSON	11/30/2020
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<b>Postal Code:</b>	23225
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16962155
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<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	BVT 007 US
<b>NAME OF SUBMITTER:</b>	JEFFREY D. KARCESKI
<b>SIGNATURE:</b>	/Jeffrey D. Karceski, Reg. No. 35,914/
<b>DATE SIGNED:</b>	12/07/2020
<b>Total Attachments: 5</b>	
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Attorney's Docket No.: BVT 007 US  
Client Reference: BVT007US  
US Patent App. No. 16/962,155

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**ASSIGNMENT OF INVENTION**

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

**ASSIGNORS:**

NAME: **Bing SHEN**  
ADDRESS: 318 Hogans Valley Way, Cary, NC 27513

NAME: **Ken G. PURCHASE**  
ADDRESS: 302 Bradson Road, Morrisville, NC 27560

NAME: **Thomas A. RINEHART**  
ADDRESS: 300-32C Woodcroft Parkway, Durham, NC 27713

NAME: **John W. WILSON**  
ADDRESS: c/o Bright View Technologies Corporation  
4022 Stirrup Creek Drive, Suite 301, Durham, NC 27703

hereby sell, assign and transfer to:

**ASSIGNEE:**

NAME: BRIGHT VIEW TECHNOLOGIES CORPORATION  
ADDRESS: 1100 Boulders Parkway, N. Chesterfield, VA 23225  
STATE/COUNTRY  
of Incorporation: Virginia

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to, any and all improvements which are disclosed in the invention entitled:

**MICROSTRUCTURES FOR TRANSFORMING LIGHT HAVING LAMBERTIAN  
DISTRIBUTION INTO BATWING DISTRIBUTIONS**

which is found in U.S. Patent Application No. **16/962,155**, filed on **July 14, 2020**, which is a national stage entry of International Patent Application No. **PCT/US2019/015600**, filed on **January 29, 2019**, and which claims priority to U.S. Patent Application No. **62/623,894**, filed on **January 30, 2018**, any legal equivalent thereof in a foreign country, any continuation, division, renewal, or substitute thereof, all Letters Patent to be obtained for the invention, and, as to Letters Patent, any reissue, re-examination, extension, or equivalent thereof.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to the invention and the Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives, without charge, any and all papers, instruments, oaths, or affidavits required to apply for, obtain, maintain,

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issue and enforce the application, the invention, the Letters Patent, and the equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS further authorize and empower ASSIGNEE, its successors, assigns and legal representatives or nominees, to invoke and assert a claim for any application for patent or other form of protection for the invention, the benefit of the right of priority being provided by any international convention presently in effect or enacted at a future date, and to invoke and claim such right of priority without further written or oral authorization from ASSIGNORS.


ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of ASSIGNEE or its nominee to claim the aforesaid benefit of the right of priority.

ASSIGNORS hereby covenant with ASSIGNEE, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that ASSIGNORS have full right to convey the same as herein expressed.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further agree to permit ASSIGNEE's representative to add to this document any information that identifies any application or equivalent associated with the above-identified invention.

Date: 11 / 20 / 2020

  
Signature of : **Bing SHEN**  
(Printed Name)

Date:     /    /    


Signature of : **Ken G. PURCHASE**  
(Printed Name)



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Date: 11/20/20

  
Signature of: **Thomas A. RINEHART**  
(Printed Name)

Date:     /     /    

Signature of: **John W. WILSON**  
(Printed Name)



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Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature of : Thomas A. RINEHART  
(Printed Name)

Date: 11 / 30 / 2020

Signature of : *John Wilson*  
**John W. WILSON**  
(Printed Name)