

## 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>
JIN HONG LIM	04/15/2019
KURT S. WILCOX	04/15/2019
BORIS KARPICHEV	04/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Cree, Inc.
<b>Street Address:</b>	4600 Silicon Drive
<b>City:</b>	Durham
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27703
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15976602
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)854-1401
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<b>Phone:</b>	919-854-1400
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<b>Correspondent Name:</b>	MICHELE P. MCMAHAN
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<b>ATTORNEY DOCKET NUMBER:</b>	1515-2715
<b>NAME OF SUBMITTER:</b>	MICHELE P. MCMAHAN
<b>SIGNATURE:</b>	/mpm/
<b>DATE SIGNED:</b>	04/16/2019
<b>Total Attachments: 4</b>	
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source=1515-2715-Assignment#page4.tif	

**ASSIGNMENT**

WHEREAS, We, **Jin Hong Lim**, a U.S. citizen, residing at 113 Roundtable Place Morrisville, NC 27560; **Kurt S. Wilcox**, a U.S. citizen, residing at 140 Sunnyside Place, Libertyville, IL 60048; and **Boris Karpichev**, a U.S. citizen, residing at 1107 Mordecai Dr., Apt. 100, Raleigh, NC 27604 ;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in "OPTICAL WAVEGUIDES AND LUMINAIRES UTILIZING SAME" for which U.S. Application No. 15/976,602 was filed on May 10, 2018 in the United States Patent and Trademark Office; and

WHEREAS, Cree, Inc., a North Carolina corporation having a principal place of business at 4600 Silicon Drive, Durham, North Carolina 27703, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, and to the extent not already assigned to the assignee, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

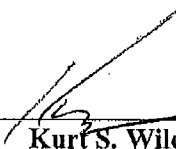
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 15 day of April, 2019.

  
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**Jin Hong Lim** (SEAL)


Attorney Docket No. 1515-2715

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 15 day of

April, 2019.

  
\_\_\_\_\_  
Kurt S. Wilcox (SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 15 day of April, 200 .

  
\_\_\_\_\_  
Boris Karpichev (SEAL)