

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4008773

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KURT S. WILCOX	09/05/2014
JOHN W. DURKEE	06/28/2013
CRAIG D. RALEIGH	07/01/2013
JOSEPH P. CHOBOT	07/08/2013
<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>	13842521
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(630)286-7611
<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>	
<b>Phone:</b>	630-286-7600
<b>Email:</b>	mail@mfgip.com
<b>Correspondent Name:</b>	MCCRACKEN & GILLEN LLC
<b>Address Line 1:</b>	1315 WEST 22ND STREET
<b>Address Line 2:</b>	SUITE 225
<b>Address Line 4:</b>	OAK BROOK, ILLINOIS 60523
<b>ATTORNEY DOCKET NUMBER:</b>	C04221/P1946US1
<b>NAME OF SUBMITTER:</b>	WILLIAM E. MCCracken
<b>SIGNATURE:</b>	/William E. McCracken/
<b>DATE SIGNED:</b>	08/16/2016
<b>Total Attachments: 6</b>	
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## ASSIGNMENT OF INVENTION

WHEREAS, we, **Kurt S. Wilcox**, a U.S. citizen, residing at 140 Sunnyside Place, Libertyville, IL, 60048; **John W. Durkee**, a U.S. citizen, residing at 1107 Mordecai Dr., apt. 100, Raleigh, NC, 27604; **Craig D. Raleigh**, a U.S. citizen, residing at 665 Viewcrest Terrace, Burlington, WI, 53015; and **Joseph P. Chobot**, a U.S. citizen, residing at 1323 Winter Walk Cir., Morrisville, NC, 27560, have invented certain new and useful inventions described in the patent application entitled, "**OPTICAL WAVEGUIDES**." If the lines below are blank, the above described patent application was filed on even date with the recordal of this assignment, otherwise, to comply with 37 C.F.R. § 3.21 for recordal of this assignment, I hereby authorize the attorneys for the Assignee to insert the filing date and application number below after they become known and prior to filing the recordation of this assignment: U.S. Application No. 13/842,521, filed March 15, 2013.

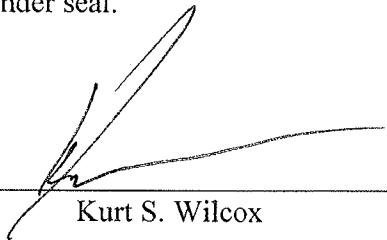
AND WHEREAS, **Cree, Inc.**, a U.S. company having an address at 4600 Silicon Drive, Durham, NC 27703, hereinafter called the "Assignee," desires to acquire all right, title and interest in and to said invention and patent application within the United States and its territorial possessions and all foreign countries, and any United States or foreign Letters Patent that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, and with the intention of being legally bound hereby, we confirm that we have sold, assigned and transferred, and do hereby sell, assign and transfer to said Assignee the entire right, title and interest in and to my invention and patent application within the United States of America and its territorial possessions and all foreign countries, and in and to any Letters Patent of the United States and all foreign countries that may be granted therefor, including all divisions, continuations, continuations-in-part, substitutes, patents of addition, reissues, reexaminations, renewals and extensions thereof, and the right to apply for Letters Patent in foreign countries with full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, together with the right to extend the protection of said United States Letters Patent to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its use and benefit and for the use and benefit of its successors or assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made. And we do hereby request and authorize the United States Commissioner for Patents, and any officials of

foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all said Letters Patent, when granted, in accordance with the terms of this assignment.

We further covenant and agree with the Assignee that we have full and unencumbered title to the invention and patent application herein assigned, which title we warrant unto the Assignee, and we further agree that, when requested, we will, without demanding any further consideration therefor but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgement of instruments, that may be or become necessary for obtaining, sustaining or reissuing United States or foreign Letters Patent for the said invention and patent application, and for maintaining and perfecting the Assignee's right to said invention, patent application and Letters Patent particularly in cases of interference and litigation.

IN WITNESS WHEREOF, we, the said inventors have executed this Assignment under seal.

  
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Kurt S. Wilcox

5 Sept 2014  
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Date (dd/mm/yyyy)

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John W. Durkee

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Date (dd/mm/yyyy)

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Craig D. Raleigh

\_\_\_\_\_  
Date (dd/mm/yyyy)

\_\_\_\_\_  
Joseph P. Chobot

\_\_\_\_\_  
Date (dd/mm/yyyy)

*McCracken & Frank LLC, Attorneys At Law, 311 S. Wacker, Suite 4950, Chicago, Illinois 60606*

*Atty. Docket No. 80421/P1946US1*

## **ASSIGNMENT**

**Serial No:** 13/842,521

**Filed:** March 15, 2013

**Title:** OPTICAL WAVEGUIDES

For One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to CREE, INC., 4600 Silicon Drive, Durham, North Carolina, 27703, (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on June 28, 2013 and July 8, 2013, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.


For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and

assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

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Kurt S. Wilcox

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John W. Durkee

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Craig D. Raleigh

\_\_\_\_\_  
  
Joseph P. Chebot

## **ASSIGNMENT**

**Serial No:** 13/842,521

**Filed:** March 15, 2013

**Title:** OPTICAL WAVEGUIDES

For One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to CREE, INC., 4600 Silicon Drive, Durham, North Carolina, 27703, (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on 6-28-13, 7-1-13, 7-8-13, and 9-5-14, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

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assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

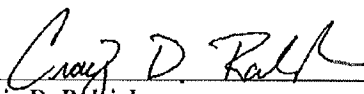
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*Kurt S. Wilcox*

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*John W. Durkee*

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*Craig D. Raleigh*

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*Joseph P. Chobot*