

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIN HONG LIM	03/27/2015
TROY TROTTIER	03/30/2015
KURT WILCOX	04/15/2015
JOHN ROBERTS	09/25/2015
RECEIVING PARTY DATA	
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City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27703
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14682707
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ATTORNEY DOCKET NUMBER:	034643-000677
NAME OF SUBMITTER:	STEVEN B. PHILLIPS; REG. NO. 37,911
SIGNATURE:	/Steven B. Phillips/
DATE SIGNED:	10/07/2015
Total Attachments: 5	
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ASSIGNMENT OF INVENTION

WHEREAS, we, **Jin Hong Lim**, a U.S. citizen, residing at 2136 Talking Rock Drive, Cary, NC 27519, **Troy Trotter**, a U.S. citizen, residing at 303 Lochside Drive, Cary, NC 27518, **Kurt Wilcox**, a U.S. citizen, residing at 140 Sunnyside Place, Libertyville, IL 60048, and **John Roberts**, a U.S. citizen, residing at 1061 Plymouth Ave. SE, Grand Rapids, MI 49506, have invented certain new and useful inventions described in the patent application entitled, "**LED BULB WITH DOWN-REFLECTING OPTIC**." 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, we 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. 14/682,707, filed April 9, 2015.

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.


Jin Hong Lim

03/27/2015
Date (dd/mm/yyyy)

Troy Trottier

Date (dd/mm/yyyy)

Kurt Wilcox

Date (dd/mm/yyyy)

John Roberts


Date (dd/mm/yyyy)

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.

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Jin Hong Lim

Date (dd/mm/yyyy)



Troy Troulier

~~03/20~~ 30/03/2018

Date (dd/mm/yyyy)

Kurt Wilcox

Date (dd/mm/yyyy)

John Roberts

Date (dd/mm/yyyy)

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Jin Hong Lim

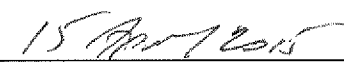
Date (dd/mm/yyyy)

Troy Trottier

Date (dd/mm/yyyy)



Kurt Wilcox



Date (dd/mm/yyyy)

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Jin Hong Lim

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Troy Trottier

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Kurt Wilcox

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John Roberts

9/25/2015

Date (dd/mm/yyyy)