

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4252864

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN KINNUNE	01/23/2017
DAVID GOELZ	01/23/2017
JAMES LAY	01/23/2017
DON MILETICH	01/19/2017
ALAN RUUD	01/26/2017
KURT WILCOX	01/31/2017
YUEQUAN HU	01/18/2017
LIQIN NI	01/27/2017
BORIS KARPICHEV	01/18/2017
NICK MEDENDORP	01/19/2017
<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>
Application Number:	14188184
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	deejones@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND STOCKTON LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	04525/894117
<b>NAME OF SUBMITTER:</b>	DEE JONES

<b>SIGNATURE:</b>	/Dee Jones/
<b>DATE SIGNED:</b>	01/31/2017
<b>Total Attachments: 10</b> source=Cree Assignments#page1.tif source=Cree Assignments#page2.tif source=Cree Assignments#page3.tif source=Cree Assignments#page4.tif source=Cree Assignments#page5.tif source=Cree Assignments#page6.tif source=Cree Assignments#page7.tif source=Cree Assignments#page8.tif source=Cree Assignments#page9.tif source=Cree Assignments#page10.tif	

## ASSIGNMENT OF PATENT APPLICATION

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

Brian Kinnune, 4600 Silicon Drive, Durham, NC 27703  
David Goelz, 4600 Silicon Drive, Durham, NC 27703  
James Lay, 4600 Silicon Drive, Durham, NC 27703  
Don Miletich, 4600 Silicon Drive, Durham, NC 27703  
Alan Ruud, 4600 Silicon Drive, Durham, NC 27703  
Kurt Wilcox, 4600 Silicon Drive, Durham, NC 27703  
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Liqin Ni, 4600 Silicon Drive, Durham, NC 27703  
Nick Medendorp, 4600 Silicon Drive, Durham, NC 27703  
Boris Karpichev, 4600 Silicon Drive, Durham, NC 27703

("the Inventors" or "the Assignors") do hereby sell, assign, and transfer to Cree, Inc., a corporation of the State of North Carolina, having its principal place of business at 4600 Silicon Drive, Durham, North Carolina 27703 ("the Assignee"), and the Assignee's successors and assigns, all right, title, and interest for all countries in and to the patent applications entitled

### SYSTEMS AND METHODS FOR HIGH OUTPUT, HIGH COLOR QUALITY LIGHT

identified as United States Patent Application No. 14/188,184, filed on February 24, 2014 (referred to as "the Application"), and in and to any and all inventions disclosed in the Application ("the Invention") and all nonprovisional applications for United States Patent, including divisional, continuing, substitute, renewal, and reissue thereof, and all other applications for United States Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on one or more of the Inventions, and in and to all original and reissued patents or related foreign documents that have been or shall be issued on one or more of the Inventions.

We, the Assignors, in accordance with this assignment, authorize and request the Commissioner for Patents of the United States to issue to the Assignee or the Assignee's successors and assigns, in accordance with this assignment, any and all United States Letters Patents that claim or disclose one or more of the Inventions.

We, the Assignors, further agree, for good and valuable consideration, the receipt of which is hereby acknowledged, that the Assignee or the Assignee's successors and assigns may apply for and receive foreign Letters Patents or similar such rights and, in doing so, may make a claim of priority to the Application under the provisions of any bilateral or multilateral treaty or international agreement, including but not limited to, the International Convention of 1883 and later modifications thereof ("the Paris Convention"), the Patent Cooperation Treaty, the European Patent Convention, the Eurasian Patent Convention, the agreement(s) of the African Regional Intellectual Property Organization, the agreement(s) of the Organisation Africaine de la Propriete Intellectuelle, and the agreement(s) of the Cooperation Council for the Arab States of the Gulf; and that, when requested, without charge to the Assignee or the Assignee's successors and assigns, to carry out in good faith the intent and purpose of this assignment, the Inventors, or their executors or administrators, will, for the United States and any and all foreign countries: (i) execute

Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184


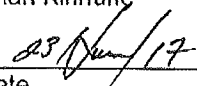
any and all documents related to any application for patent in the United States or a foreign country, where such application discloses one or more of the Inventions; (ii) execute any and all oaths, declarations, assignments, confirmatory assignments, powers of attorney and other papers concerning one or more of the Inventions and any and all patent applications thereon, whether in the United States or a foreign country; and (iii) perform other such acts, at the request of the Assignee or the Assignee's successors and assigns, to obtain or maintain any and all patents or related property rights in the United States or any foreign country on one or more of the Inventions or any improvements thereto and to vest title thereto in the Assignee or the Assignee's successors and assigns.

In testimony whereof, we, the Assignors, have signed our names below on the date indicated. By such signature, we, the Assignors, acknowledge that we are of sound mind and health, that we have read and understood all terms recited above, and that we are signing this of our own free will for the purposes stated herein.

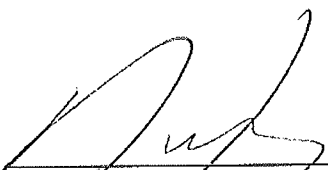
**SIGNATURES ARE ON THE FOLLOWING PAGES**

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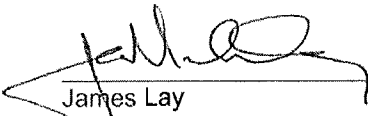
Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184

  
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Brian Kinnune  
  
\_\_\_\_\_  
Date

Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184

  
\_\_\_\_\_  
David Goelz  
1-23-17  
\_\_\_\_\_  
Date

Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184

  
James Lay  
01/23/2017  
Date

*Assignment of Patent Application*  
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**PATENT**  
**REEL: 041138 FRAME: 0238**

Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184



Don Miletich

1-19-2017  
Date



\_\_\_\_\_  
James Lay

\_\_\_\_\_  
Date

\_\_\_\_\_  
Don Miletich

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Alan Ruud

Jan 26, 2016  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Kurt Wilcox

\_\_\_\_\_  
Date

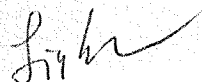
Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184



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Yuequan Hu

\_\_\_\_\_  
Date 1/18/2017

Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184



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Liqin Ni

\_\_\_\_\_  
1/27/2017  
Date

Attorney Docket No. 04525/894117  
Client Ref. No. P2194US1  
Application No. 14/188,184



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Boris Karpichev

1/18/17

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Date

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5417681V.1

**RECORDED: 01/31/2017**

**PATENT**  
**REEL: 041138 FRAME: 0243**