

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jun Zhang</td> <td>01/18/2013</td> </tr> <tr> <td>James Andrew McBryde</td> <td>01/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jun Zhang	01/18/2013	James Andrew McBryde	01/20/2013
Name	Execution Date						
Jun Zhang	01/18/2013						
James Andrew McBryde	01/20/2013						
RECEIVING PARTY DATA							
Name:	Cree, Inc.						
Street Address:	4600 Silicon Drive						
City:	Durham						
State/Country:	NORTH CAROLINA						
Postal Code:	27616						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13749082</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13749082		
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Application Number:	13749082						
CORRESPONDENCE DATA							
Fax Number:	9198541401						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	919-854-1400						
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ATTORNEY DOCKET NUMBER:	5308-1954						
NAME OF SUBMITTER:	Audra Wooten						
Total Attachments: 3 source=5308-1954_Assignment#page1.tif source=5308-1954_Assignment#page2.tif source=5308-1954_Assignment#page3.tif							

CH \$40.00 13749082

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jun Zhang**, citizen of the United States of America, residing at 100 Parkknoll Lane, Cary, North Carolina 27513; and **James Andrew McBryde**, citizen of the United States of America, residing at 4305 Willow Lake Rd., Raleigh, North Carolina 27616;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **LED LIGHTING APPARATUS FOR USE WITH AC-OUTPUT LIGHTING BALLASTS**, for which an application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with the application; 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;

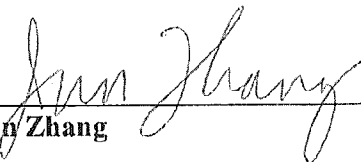
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, 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, 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 18 day of January, 2013.



Jun Zhang (SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 20 day of
January, 2013.



James Andrew McBryde (SEAL)