

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert J. Callanan</td> <td>08/28/2009</td> </tr> <tr> <td>Sei-Hyung Ryu</td> <td>08/28/2009</td> </tr> <tr> <td>Qingchun Zhang</td> <td>08/27/2009</td> </tr> </tbody> </table>		Name	Execution Date	Robert J. Callanan	08/28/2009	Sei-Hyung Ryu	08/28/2009	Qingchun Zhang	08/27/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Cree, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4600 Silicon Drive</td> </tr> <tr> <td>City:</td> <td>Durham</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27703</td> </tr> </table>		Name:	Cree, Inc.	Street Address:	4600 Silicon Drive	City:	Durham	State/Country:	NORTH CAROLINA	Postal Code:	27703
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CORRESPONDENCE DATA											
Fax Number: (919)854-1401 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 919-854-1400 Email: mmcmahan@myersbigel.com Correspondent Name: Michele P. McMahan Address Line 1: 4140 Parklake Ave. Address Line 4: Raleigh, NORTH CAROLINA 27612											
ATTORNEY DOCKET NUMBER:	5308-1070										
NAME OF SUBMITTER:	Michele P. McMahan										
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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Robert J. Callanan**, citizen of the United States of America, residing at 5629 Bennettwood Court, Raleigh, North Carolina 27612; **Sei-Hyung Ryu**, citizen of Korea, residing at 102 Tawny Ridge Ln., Cary, North Carolina, and **Qingchun Zhang**, citizen of the People's Republic of China, residing at 108 Hickorywood Blvd., Cary, North Carolina 27519;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **SOLID STATE PINCH OFF THYRISTOR CIRCUITS**, for which an application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 12/550,574, filed 8/31/09) 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 28 day of August, 2009.


 _____ (SEAL)
 Robert J. Callanan

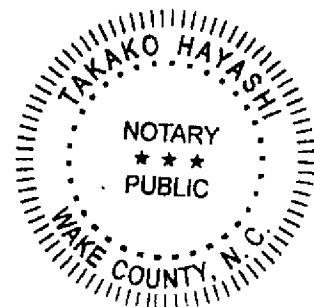
STATE OF NORTH CAROLINA)
) ss:
 COUNTY OF Durham)

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 28th day of August, 2009.



 Notary Public

SEAL
 My Commission Expires: May 11, 2013



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28th day of August, 2009

Sei-Hyang Ryu (SEAL)
Sei-Hyang Ryu

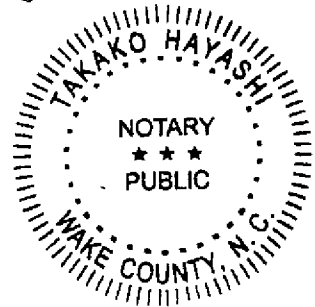
STATE OF NORTH CAROLINA)
) ss:
COUNTY OF Durham)

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 28th day of August, 2009.

Takako Hayashi
Notary Public

SEAL

My Commission Expires: May 11th 2013



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 27th day of August, 2009

[Signature] (SEAL)
Qingchun Zhang

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF Durham)

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 27th day of August, 2009.

[Signature]
Notary Public

SEAL

My Commission Expires: May 11, 2013

