

Form PTO-1595 (Rev. 03-09)  
OMB No. 0651-0027 (exp. 03/31/2009)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

#### 1. Name of conveying party(ies)

DAVID EMERSON, BERND KELLER, CHRISTOPHER HUSSELL, BRIAN COLLINS, MICHAEL BERGMANN, JOHN EDMOND, ERIC TARSA and PETER ANDREWS

Additional name(s) of conveying party(ies) attached?  Yes  No

#### 2. Name and address of receiving party(ies)

Name: CREE, INC.

Internal Address: \_\_\_\_\_

Street Address: 340 STORKE ROAD

City: GOLETA

State: CA

Country: USA Zip: 93117

Additional name(s) & address(es) attached?  Yes  No

#### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) SEE ATTACHMENT A

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

#### 4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No. (s)

12/757,891

B. Patent No. (s)

Additional numbers attached?  Yes  No

#### 5. Name and address to whom correspondence concerning document should be mailed:

Name: JAYE G. HEYBL

Internal Address: KOPPEL, PATRICK, HEYBL & DAWSON

Street Address: 2815 TOWNSGATE ROAD, SUITE 215

City: WESTLAKE VILLAGE

State: CA Zip: 91361

Phone Number: (805) 373-0060

Fax Number: (805) 373-0051

Email Address: generalmail@koppelpatent.com

#### 6. Total number of applications and patents involved: 1

#### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

#### 8. Payment Information

Deposit Account Number 11-1580

Authorized User Name Steven C. Patrick

#### 9. Signature:

Brian J. Philpott  
Signature

6/21/10  
Date

BRIAN J. PHILPOTT  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

11

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 111580 12767891

RECORDATION FORM COVER SHEET  
ATTACHMENT A

DOCKET NO. P1116US-3  
APPLICATION NO. 12/757,891

3. **Nature of Conveyance/Execution Date:**  
Date: 04/13/2010, 04/23/2010, 04/13/2010, 05/10/2010, 04/12/2010, 04/12/2010,  
04/16/2010, 04/23/2010, 04/13/2010, respectively.

Docket No. P1116US-3

## A S S I G N M E N T

We, DAVID EMERSON, residing in Chapel Hill, North Carolina, BERND KELLER, residing in Santa Barbara, California, CHRISTOPHER HUSSELL, residing in Cary, North Carolina, AMBER SALTER, residing in Durham, North Carolina, BRIAN COLLINS, residing in Raleigh, North Carolina, MICHAEL BERGMANN, residing in Chapel Hill, North Carolina, JOHN EDMOND, residing in Durham, North Carolina, ERIC TARSA, residing in Goleta, California and PETER ANDREWS, residing in Durham, North Carolina, represent that we have invented improvements in a new and useful "LED PACKAGE WITH INCREASED FEATURE SIZES" for which we have executed an application for Letters Patent of the United States of America.

CREE, INC. (CREE) is a corporation organized and existing under the laws of the State of North Carolina, has a place of business at, 340 Storke Road, Goleta, California 93117 and desires to acquire the entire right, title and interest in and to the invention, application and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of all of which we acknowledge, we have sold and do hereby sell, assign, transfer and set over unto CREE, its successors and assigns, the entire right, title and interest in and to the invention and all improvements thereon, in and to the application for letters patents thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

We also agree that we will, at the request of CREE, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that CREE may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in CREE, the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower CREE, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and in any and all countries foreign to the United States in which

PATENT

REEL: 024572 FRAME: 0281



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I certify under PENALTY OF PERJURY under the laws of the State of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

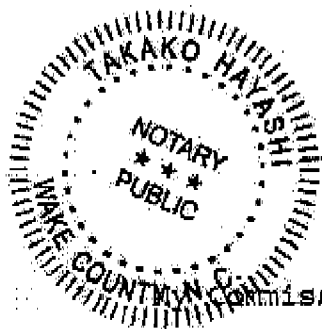
(Seal)

STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that DAVID EMERSON personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 13<sup>th</sup> day of April, 2010.

SEAL



Takako Hayashi  
Notary Public

Commission Expires: May 11, 2013

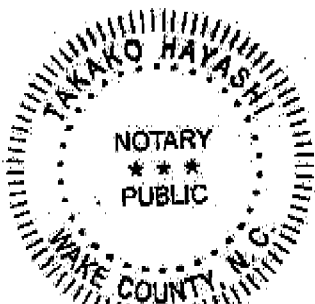
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STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that CHRISTOPHER RUSSELL personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 13<sup>th</sup> day of April, 2010.



SEAL

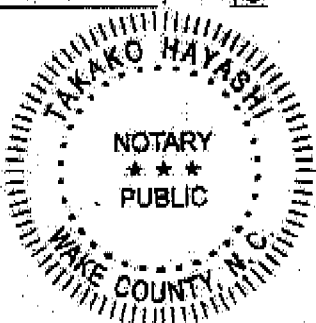
Takako Hayashi  
Notary Public

My Commission Expires: May 11, 2013

STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that AMBER SALTER personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 10<sup>th</sup> day of May, 2010.



SEAL

Takako Hayashi  
Notary Public

My Commission Expires: May 11, 2013

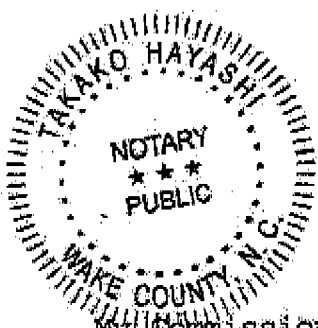
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STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that BRIAN COLLINS personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 12<sup>th</sup> day of April, 2010.



SEAL

Takako Hayashi

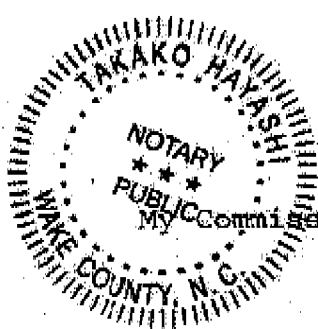
Notary Public

My Commission Expires: May 11, 2013

STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that MICHAEL BERGMANN personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 12<sup>th</sup> day of April, 2010.



SEAL

Takako Hayashi

Notary Public

My Commission Expires: May 11, 2013

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STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that JOHN EDMOND personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 16<sup>th</sup> day of April, 2010.

SEAL



Takako Hayashi  
Notary Public

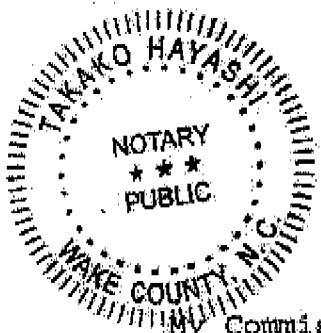
My Commission Expires: May 11, 2013

STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that PETER ANDREWS personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 13<sup>th</sup> day of April, 2010.

SEAL



Takako Hayashi  
Notary Public

My Commission Expires: May 11, 2013

M/B10-P1116US-3assign



Docket No. P1116US-3

**A S S I G N M E N T**

We, DAVID EMERSON, residing in Chapel Hill, North Carolina, BERND KELLER, residing in Santa Barbara, California, CHRISTOPHER HUSSELL, residing in Cary, North Carolina, AMBER SALTER, residing in Durham, North Carolina, BRIAN COLLINS, residing in Raleigh, North Carolina, MICHAEL BERGMANN, residing in Chapel Hill, North Carolina, JOHN EDMOND, residing in Durham, North Carolina, ERIC TARSA, residing in Goleta, California and PETER ANDREWS, residing in Durham, North Carolina, represent that we have invented improvements in a new and useful "LED PACKAGE WITH INCREASED FEATURE SIZES" for which we have executed an application for Letters Patent of the United States of America.

CREE, INC. (CREE) is a corporation organized and existing under the laws of the State of North Carolina, has a place of business at, 340 Storke Road, Goleta, California 93117 and desires to acquire the entire right, title and interest in and to the invention, application and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of all of which we acknowledge, we have sold and do hereby sell, assign, transfer and set over unto CREE, its successors and assigns, the entire right, title and interest in and to the invention and all improvements thereon, in and to the application for letters patents thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

We also agree that we will, at the request of CREE, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that CREE may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in CREE, the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower CREE, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and in any and all countries foreign to the United States in which

**PATENT****REEL: 024572 FRAME: 0287**

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applications for letters patent can be so made or letters patent so obtained.

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
DAVID EMERSON

Date: April 23,, 2010 *Bernd Keller*  
BERND KELLER

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
CHRISTOPHER HUSSELL

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
AMBER SALTER

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
BRIAN COLLINS

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
MICHAEL BERGMANN

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
JOHN EDMOND

Date: 23 April 2010, 2010 *Eric Tarsa*  
ERIC TARSA

Date: \_\_\_\_\_, 2010 \_\_\_\_\_  
PETER ANDREWS

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO ) ss.

On APRIL 23, 2010 before me, *Jeffery Lee Davidson, Notary Public*,  
(here insert name and title of the officer), personally appeared  
BERND KELLER and ERIC TARSA, who proved to me on the basis of  
satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that  
he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the  
instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

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I certify under PENALTY OF PERJURY under the laws of the State of CALIFORNIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature 

(Seal)



STATE OF NORTH CAROLINA  
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina, do hereby certify that **DAVID EMERSON** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

SEAL

My Commission Expires: \_\_\_\_\_