

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, AMBER SALTER, BRIAN COLLINS, MICHAEL BERGMANN, JOHN EDMOND, ERIC TARSA and PETER ANDREWS Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>CREE, INC.</u> Internal Address: _____ Street Address: <u>340 STORKE ROAD</u> City: <u>GOLETA</u> State: <u>CA</u> Country: <u>USA</u> Zip: <u>93117</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>SEE ATTACHMENT A</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>BRIAN J. PHILPOTT</u> Internal Address: <u>KOPPEL, PATRICK, HEYBL & DAWSON</u> Street Address: <u>2815 TOWNSGATE ROAD, SUITE 215</u> City: <u>WESTLAKE VILLAGE</u> State: <u>CA</u> Zip: <u>91361</u> Phone Number: <u>(805) 373-0060</u> Fax Number: <u>(805) 373-0051</u> Email Address: <u>generalmail@koppelpatent.com</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information Deposit Account Number <u>11-1580</u> Authorized User Name <u>Steven C. Patrick</u>	
9. Signature: <u>Brian J. Philpott</u> 7/14/2010 <div style="display: flex; justify-content: space-between;"> Signature Date </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> BRIAN J. PHILPOTT Name of Person Signing <div style="text-align: right;"> Total number of pages including cover sheet, attachments, and documents: 11 </div> </div>	

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

ASSIGNMENT

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: 024688 FRAME: 0018**

Docket No. P1116US-3

Page two

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

Date: _____, 2010 _____
DAVID EMERSON

Date: April 23,, 2010 B. 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 E. Tarsa
ERIC TARSA

Date: _____, 2010 _____
PETER ANDREWS

STATE OF CALIFORNIA)
) ss.
COUNTY OF SANTA BARBARA)

On April 23, 2010 before me, Jeffrey L. Dawson, 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.


Docket No. P1116US-3

Page three

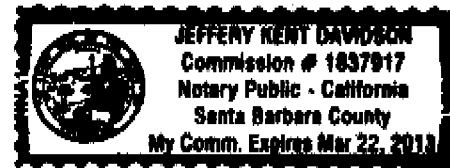
I certify under PENALTY OF PERJURY under the laws of the State of
CALIFORNIA that the foregoing paragraph is true and correct.

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__.

SEAL

Notary Public

My Commission Expires: _____

Docket No. P1116US-3

Page four

STATE OF NORTH CAROLINA
COUNTY OF DURHAM

I, Takako Hayashi, a Notary Public for Wake County, North Carolina,
do hereby certify that **CHRISTOPHER HUSSELL** 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: _____

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 _____ day of
_____, 20__.

Notary Public

SEAL

My Commission Expires: _____

PATENT
REEL: 024688 FRAME: 0021

Docket No. P1116US-3

Page five

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 _____ day of _____, 20__.

Notary Public

SEAL

My Commission Expires: _____

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 _____ day of _____, 20__.

Notary Public

SEAL

My Commission Expires: _____

Docket No. P1116US-3

Page six

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 _____ day of
_____, 20__.

Notary Public

SEAL

My Commission Expires: _____

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 _____ day of
_____, 20__.

Notary Public

SEAL

My Commission Expires: _____

M/B10-P1116US-3assign

PATENT
REEL: 024688 FRAME: 0023

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: 024688 FRAME: 0024

Docket No. P1116US-3

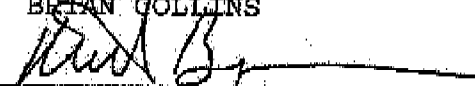
Page two

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

Date: 4/13/10, 2010
DAVID EMERSON

Date: _____, 2010

BERND KELLER

Date: 04/13/2010, 2010
CHRISTOPHER HUSSELLDate: 5/10/10, 2010
AMBER SALTERDate: April 12th, 2010
BRIAN COLLINSDate: 04/12, 2010
MICHAEL BERGMANNDate: 4/16, 2010
JOHN EDMOND

Date: _____, 2010

ERIC TARSA

Date: 4/13/10, 2010
PETER ANDREWS

STATE OF _____)
) ss.
COUNTY OF _____)

On _____ before me,
(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.

Docket No. P1116US-3

Page three

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 13th day of
April, 2010.

SEAL



Takako Hayashi
Notary Public

Commission Expires:

May 11, 2013

PATENT

REEL: 024688 FRAME: 0026

Docket No. P1116US-3

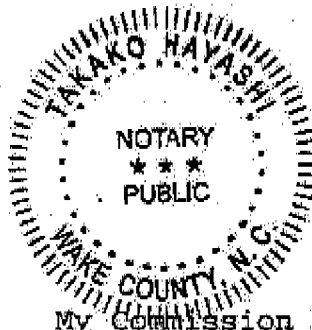
Page four

STATE OF NORTH CAROLINA
COUNTY OF DURHAM

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

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

SEAL



Takako Hayashi
Notary Public

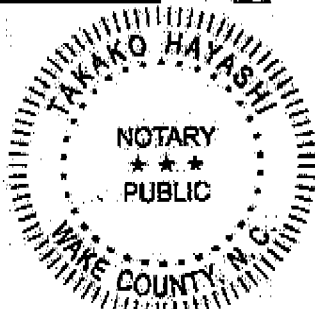
My Commission Expires: May 11, 2013

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 10th day of May, 2010.

SEAL



Takako Hayashi
Notary Public

My Commission Expires: May 11, 2013

Docket No. P1116US-3

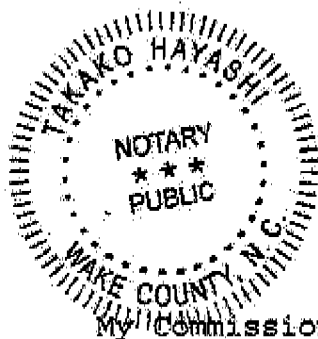
Page five

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 12th day of April, 2010.

SEAL

Takako Hayashi

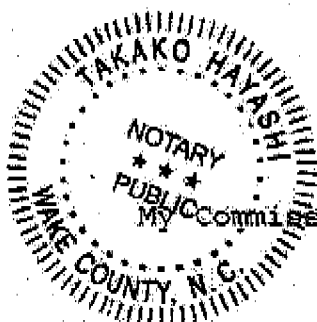
Notary Public

My Commission Expires: May 11, 2013STATE 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 12th day of April, 2010.

SEAL

Takako Hayashi

Notary Public

My Commission Expires: May 11, 2013

PATENT

REEL: 024688 FRAME: 0028

Docket No. P1116US-3

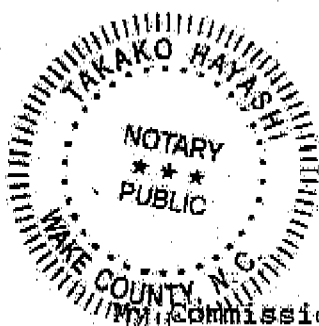
Page six

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 16th day of April, 2010.

SEAL



Takako Hayashi
Notary Public

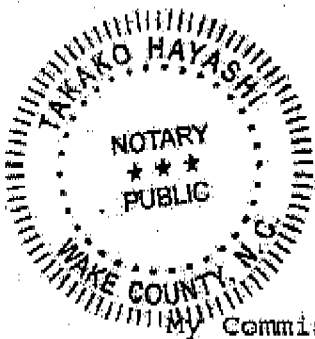
My Commission Expires: May 11, 2013

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 13th day of April, 2010.

SEAL



Takako Hayashi
Notary Public

My Commission Expires: May 11, 2013

M/B10-P1116US-3a&sign

Docket No. P1116US-3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: EMERSON et al.

Examiner: unknown

Serial No. 12/757,891

Art Unit:

Filing Date: April 9, 2010

For: LED PACKAGE WITH INCREASED FEATURE SIZES

Mail Stop Assignment Recordation Services
Director of the USPTO
P.O. Box 1450
Alexandria, VA 22313-1450

RECORDATION COVERSHEET TRANSMITTAL


Sir:

Transmitted herewith is an executed Assignment and Recordation Coversheet.

If any additional fee is required, charge Account No. 11-1580. A duplicate of this transmittal is attached.

Respectfully submitted,

Date: 7/14/10

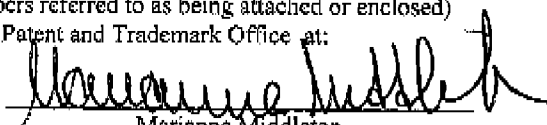

Brian J. Philpott
Registration No. 58,688
Attorney for Applicant

KOPPEL, PATRICK, HEYBL & DAWSON
2815 Townsgate Road, Suite 215
Westlake Village, California 91361
Telephone: (805) 373-0060

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper (along with any papers referred to as being attached or enclosed) is being facsimile transmitted to the United States Patent and Trademark Office at: (571) 273-0140 on the date shown below:

7/14/2010
Date


Marianne Middleton

PATENT

REEL: 024688 FRAME: 0030

KOPPEL, PATRICK, HEYBL & DAWSON
A Professional Law Corporation

STEVEN C. PATRICK
JAYE G. HEYBL
JAMES K. DAWSON
BRIAN J. PHILPOTT
LORI C. TRUJILLO
MONICA ADJEMIAN
ERIC V. FIGUEROA
Senior Counsel
MICHAEL J. RAM, D. Sc.
Patent Agent
JOSEPH COMPTON
Of Counsel
K. ANDREW KENT
JILL R. HEYBL
JUDITH G. SHELLING, Ph.D.
(Adm. In Arizona)
RICHARD S. KOPPEL (Retired)

2815 TOWNSGATE ROAD, SUITE 215
WESTLAKE VILLAGE, CALIFORNIA 91361-5827
PHONE (805) 373-0060
FAX (805) 373-0051

Santa Barbara Office
812 Presidio Avenue
Santa Barbara, CA 93101
Phone (805) 569-1964

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E-mail: jheybl@koppelpatent.com

FAX COVER SHEET

DATE: JULY 14, 2010

FROM: BRIAN J. PHILPOTT

TO: ASSIGNMENT RECORDATION SERVICES

RE: LED PACKAGE WITH INCREASED FEATURE SIZES

DOCKET: P1116US-3

FAX NO.: (571) 273-0140

MESSAGE: PLEASE CONFIRM RECEIPT

NUMBER OF PAGES (Including cover sheet) 13

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