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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)

PAUL KENNETH PICKARD

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

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

Execution Date(s) 12/15/2010

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

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

Name: CREE, INC.

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

Street Address: 4600 SILICON DRIVE

City: DURHAM

State: NC

Country: U.S.A. Zip: 27703

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

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/961,380

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: BRIAN J. PHILPOTT

Internal Address: KOPPEL, PATRICK, HEYBL & DAWSON

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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:

B. J. Philpott

Signature

1/3/11  
Date

BRIAN J. PHILPOTT

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

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 12961380

Docket No. P1170US-3

**ASSIGNMENT**

I, PAUL KENNETH PICKARD, residing in Morrisville, North Carolina, represent that I have invented improvements in a new and useful "HIGH EFFICIENCY TOTAL INTERNAL REFLECTION OPTIC FOR SOLID STATE LIGHTING LUMINAIRE", for which I have executed an application for Letters Patent of the United States of America on the same day as my execution of this Assignment.

CREE, INC. ("CREE") is a corporation organized and existing under the laws of the State of North Carolina, has a place of business at 4600 Silicon Drive, Durham, North Carolina 27703, 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 I acknowledge, I 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.

I also agree that I 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.

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

EXECUTED at \_\_\_\_\_, County of \_\_\_\_\_, and State of ~~North Carolina~~ NC this day of December 15th, 2010

Paul Kenneth Pickard  
PAUL KENNETH PICKARD

STATE OF North Carolina ) ss.  
COUNTY OF Wake )

I, Darlene D. Tallent a Notary Public for Wake County, North Carolina, do hereby certify that PAUL KENNETH PICKARD personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 15th day of December, 2010

Darlene D. Tallent  
Notary Public

My Commission Expires: 9-2-2014

**PATENT****REEL: 025609 FRAME: 0255**

Docket No. P1170US-3

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: PICKARD

Examiner: unknown

Serial No. 12/961,380

Art Unit: 2878

Filing Date: 12/06/2010


For: HIGH EFFICIENCY TOTAL INTERNAL REFLECTION OPTIC FOR SOLID  
STATE LIGHTING LUMINAIRESMail Stop Assignment Recordation Services  
Director of the USPTO  
P.O. Box 1450  
Alexandria, VA 22313-1450RECORDATION COVERSHEET TRANSMITTAL

Sir:

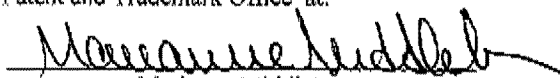
Transmitted herewith is an executed Assignment and Recordation Coversheet.

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

Respectfully submitted,

Date: 1/3/11  
\_\_\_\_\_  
Brian J. Philpott  
Registration No. 58,688  
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## CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper (along with any papers referred to as being attached or enclosed)  
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PATENT

REEL: 025609 FRAME: 0256

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**A Professional Law Corporation**

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**FAX COVER SHEET**

DATE: 01/03/2011

FROM: BRIAN J. PHILPOTT

TO: ASSIGNMENT RECORDATION SERVICES

RE: HIGH EFFICIENCY TOTAL INTERNAL REFLECTION OPTIC FOR  
SOLID STATE LIGHTING LUMINAIRES

DOCKET: P1170US-3

FAX NO.: (571) 273-0140

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