Form PTO-1595 (Rev. 06-12) OMB No. 0651-0027 (exp. 04/30/2015)

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

RECORDATION FORM COVER SHEET			
	rs only		
	se record the attached documents or the new address(es) below.		
Name of conveying party(ies)	2. Name and address of receiving party(ies) Name: CREE, INC.		
Matthew Donofrio, James Ibbetson,	Internal Address:		
*	memai Addicas,		
Additional name(s) of conveying party(les) attached? Yes No			
3. Nature of conveyance/Execution Date(s):	Street Address: 4600 SILICON DRIVE		
Execution Date(s) May 13, 2009 Assignment Merger			
temperal Temperal	City: DURHAM		
Security Agreement Change of Name Joint Research Agreement	State: NC		
Government Interest Assignment	• (10°) B		
Executive Order 9424, Confirmatory License	Country: US Zip; 27703		
Other	Additional name(s) & address(es) attached? Yes No		
4. Application or patent number(s):	document serves as an Oath/Declaration (37 CFR 1.63).		
A. Patent Application No.(s)	B. Patent No.(s)		
13/023,788			
13/023,766			
Additional numbers att	ached? Yes No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents		
Name: JAYE G. HEYBL	involved: 1		
	1		
Letornal Address - KOPPEL PATRICK HEYBL & PHILPOTT	7. Total fee (37 CFR 1.21(h) & 3.41) \$40		
Internal Address: KOPPEL PATRICK HEYBL & PHILPOTT			
	Authorized to be charged to deposit account		
Internal Address: KOPPEL PATRICK HEYBL & PHILPOTT Street Address: 2815 TOWNSGATE ROAD, SUITE 215			
Street Address: 2815 TOWNSGATE ROAD, SUITE 215	Authorized to be charged to deposit account Enclosed		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361 Phone Number: 805 373 0060	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number 11-1580		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361 Phone Number: 805 373 0060 Docket Number: P1112US2-7	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number 11-1580		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361 Phone Number: 805 373 0060 Docket Number: P1112US2-7 Email Address: generalmail@koppelpatent.com 9. Signature: Signature	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		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361 Phone Number: 805 373 0060 Docket Number: P1112US2-7 Email Address: generalmail@koppelpatent.com 9. Signature: Signature JAYE G. HEYBL	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number 11-1580		
Street Address: 2815 TOWNSGATE ROAD, SUITE 215 City: WESTLAKE VILLAGE State: CA Zip: 91361 Phone Number: 805 373 0060 Docket Number: P1112US2-7 Email Address: generalmail@koppelpatent.com 9. Signature: Signature	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 9/20//3 Date Total number of pages including cover sheet, attachments, and documents: 12		

08/29/2013 07:35 8053730051 KOPPEL PATRICK PAGE 03/13

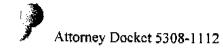
ATTACHMENT A APPLICATION NO. 13/023,788

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CO		u	•	u	с	u	

1. Name of conveying party(ies)

Zhinmin Jamle Yao





ASSIGNMENT

THIS ASSIGNMENT, made by us, Matthew Donofrio, citizen of the United States of America, residing at 8120 N. Creek Run, Raleigh, North Carolina 27613; James Ibbetson, citizen of the United Kingdom, residing at 910 Randolph Road, Santa Barbara, California 93111; and Zhinmin Jamie Yao, citizen of the United States of America, residing at 98 Manchester Place, Goleta, California 93117;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in SEMICONDUCTOR LIGHT EMITTING DIODES HAVING REFLECTIVE STRUCTURES AND METHODS OF FABRICATING SAME, for which U.S. Application No. 12/463,709 was filed on May 11, 2009 in the United States Patent and Trademark Office; 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.

	have hereunto set my hand and	seal on this $/3$ day of
	ew Donofrio	(SEAL)
STATE OF NORTH CAROLINA)) ss:	
COUNTY OF DURHAM)	
Before me personally appeare	ed the person described in and v	vho executed the foregoing
instrument, and he acknowledged to	me that he executed the same for	or the purposes therein stated,
this /3 day of May	, 2009.	
,	Hahaho Notary Public	Hayna.
SEAL	* · · · · · · · · · · · · · · · · · · ·	
My Commission Expires:	11 2013	THE WAY OF THE PERSON OF THE P
		NOTARY PUBLIC

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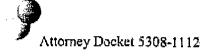
IN WITNESS WHERE	Jr, I have hereunto set my	y hand and seal on this	day of
, 200			
Ja	nmes Ibbetson	(SEAL)	
STATE OF CALIFORNIA)		
COUNTY OF DURHAM) ss:)	•	
Before me personally ap	peared the person describe	ed in and who executed the	foregoing
instrument, and he acknowledge	d to me that he executed t	he same for the purposes t	herein stated
this day of	, 200		
	Nota	ry Public	******
SEAL	2 1 0 0000	, - 40110	
My Commission Expires:			





IN WITNESS WHEREOF	I have hereunto set my hand and seal on this day of
, 200	······································
Zhin	min Jamie Yao
STATE OF CALIFORNIA)) ss:
COUNTY OF DURHAM)
Before me personally appear	red 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 day of	, 200
SEAL My Commission Expires:	Notary Public





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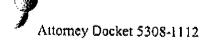
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Page 1 of 4



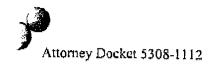


We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

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 day of
, 200	•
Matti	hew Donofrio (SEAL)
STATE OF NORTH CAROLINA)
COUNTY OF DURHAM) ss;)
Before me personally appear	red the person described in and who executed the foregoing
	me that he executed the same for the purposes therein stated
this day of	
SEAL My Commission Expires:	Notary Public
My Commussion Explies:	





IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day of My, 2009.

STATE OF CALIFORNIA) ss: COUNTY OF SANTA BARBARA)

Before me personally appeared the person described in and who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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

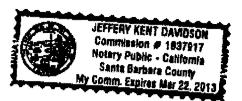
WITNESS my hand and official seal.

This 1314 day of MAY

_, 200<u>9</u>

Notary Public

SEAL







IN WI	TNESS WHEREOF, I have hereunto set my hand	l and scal on this 13 thday of
May	, 200 <u>9</u> .	***************************************
	Jagao	(SEAL)
	Zhimin Jamie Yao	

STATE OF CALIFORNIA)	
		550
COUNTY OF SANTA BARBARA)	

Before me personally appeared the person described in and who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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

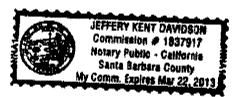
WITNESS my hand and official seal.

This 1344 day of MAY

, 200<u> </u>9.

Noney Public

SEAL



Page 4 of 4

PATENT REEL: 031236 FRAME: 0523

RECORDED: 08/29/2013