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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2649920

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER P. HUSSELL	07/15/2013
JOHN ADAM EDMOND	11/22/2013
GERALD H. NEGLEY	07/15/2013
CURT PROGL	07/15/2013
MARK EDMOND	07/15/2013
PRANEET ATHALYE	07/15/2013
CHARLES M. SWOBODA	07/15/2013
ANTONY PAUL VAN DE VEN	07/17/2013
PAUL KENNETH PICKARD	07/15/2013
BART P. REIER	08/15/2013
JAMES MICHAEL LAY	07/23/2013
PETER E. LOPEZ	07/16/2013
ED ADAMS	07/12/2013

RECEIVING PARTY DATA

Name:	CREE, INC.
Street Address:	4600 SILICON DRIVE
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27703

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13939821

CORRESPONDENCE DATA

Fax Number: (919)286-8122 Phone: 919-286-8000

> **PATENT REEL: 031790 FRAME: 0207**

502603565

Email: maryelizabethduncan@mvalaw.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: MOORE & VAN ALLEN PLLC

Address Line 1: P.O. BOX 13706

Address Line 4: RESEARCH TRIANGLE PA, NORTH CAROLINA 27709

ATTORNEY DOCKET NUMBER:	034643-000530
NAME OF SUBMITTER:	DENNIS J. WILLIAMSON
Signature:	/dennis j. williamson/
Date:	12/16/2013

Total Attachments: 10

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PATENT REEL: 031790 FRAME: 0208

ASSIGNMENT OF INVENTION

WHEREAS, we, Christopher P. Hussell, a U.S. citizen, residing at 101 Glenmore Road, Cary, North Carolina 27519, John Adam Edmond, a U.S. citizen, residing at 1517 Colvard Farms Road, Durham, North Carolina 27713, Gerald H. Negley, a U.S. citizen, residing at 74 Bear Tree Creek, Chapel Hill, North Carolina 27517, Curt Progl, a U.S. citizen, residing at 1933 Hilltop Road, Raleigh, North Carolina 27610, Mark Edmond, a U.S. citizen, residing at 11121 Crestmont Drive, Raleigh, North Carolina 27613, Praneet Athalye, a citizen of India, residing at 104 Button Road, Morrisville, North Carolina 27560, Charles M. Swoboda, a U.S. citizen, residing at 200 Grey Bridge Row, Cary, North Carolina 27513, Antony Paul van de Ven, a citizen of Australia, residing at D45 Marina Cove, 380 Hiram's Highway, Sai Kung, NT, Hong Kong, SAR, China, Paul Kenneth Pickard, a U.S. citizen, residing at 1325 Legendary Lane, Morrisville, North Carolina 27560, Bart P. Reier, a U.S. citizen, residing at 208 Magnolia Bloom Court, Cary, North Carolina 27519, James Michael Lay, a U.S. citizen, residing at 3205 Summer Oaks Drive, Apex, North Carolina 27539, and Peter E. Lopez, a U.S. citizen, residing at 4140 Mittglen Lane, Cary, North Carolina 27518, and Ed Adams, a U.S. citizen, residing at 763 Hwy 310, Englewood, Tennessee 37329, have invented certain new and useful inventions described in the patent application entitled, "GAS COOLED LED LAMP." If the lines below are blank, the above described patent application was filed on even date with the recordal of this assignment, otherwise, to comply with 37. C.F.R. § 3.21 for recordal of this assignment, we hereby authorize the attorneys for the Assignee to insert the filing date and application number below after they become known and prior to filing the recordation of this assignment: U.S. Application No. 13/939,821, filed July 11, 2013.

AND WHEREAS, **Cree, Inc.**, a U.S. company having an address at 4600 Silicon Drive, Durham, NC 27703, hereinafter called the "Assignee," desires to acquire all right, title and interest in and to said invention and patent application within the United States and its territorial possessions and all foreign countries, and any United States or foreign Letters Patent that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, and with the intention of being legally bound hereby, we confirm that we have sold, assigned and transferred, and do hereby sell, assign and transfer to said Assignee the entire right, title and interest in and to my invention and patent application within the United States of America and its territorial possessions and all foreign countries, and in and to any Letters Patent of the United States and all foreign countries that may be granted therefor, including all divisions, continuations, continuations-in-part, substitutes, patents of addition, reissues, reexaminations, renewals and extensions thereof, and the right to apply for Letters Patent in foreign countries with full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, together with the right to extend the protection of said United States Letters Patent to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its use and benefit and for the use and benefit of its successors or assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me

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PATENT REEL: 031790 FRAME: 0209 if this assignment and sale had not been made. And we do hereby request and authorize the United States Commissioner for Patents, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all said Letters Patent, when granted, in accordance with the terms of this assignment.

We further covenant and agree with the Assignee that we have full and unencumbered title to the invention and patent application herein assigned, which title we warrant unto the Assignee, and we further agree that, when requested, we will, without demanding any further consideration therefor but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgement of instruments, that may be or become necessary for obtaining, sustaining or reissuing United States or foreign Letters Patent for the said invention and patent application, and for maintaining and perfecting the Assignee's right to said invention, patent application and Letters Patent particularly in cases of interference and litigation.

IN WITNESS WHEREOF, we, the said inventors have executed this Assignment under seal.

Christophe P. Hussell Christopher P. Hussell	7/15/2013 Date (dd/mm/yyyy)
John Adam Edmond	Date (dd/mm/yyyy)
Gerald H. Negley	Date (dd/mm/yyyy)
Curt Progl	Date (dd/mm/yyyy)
Mark Edmond	Date (dd/mm/yyyy)

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PATENT REEL: 031790 FRAME: 0210 if this assignment and sale had not been made. And we do hereby request and authorize the United States Commissioner for Patents, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all said Letters Patent, when granted, in accordance with the terms of this assignment.

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Christopher P. Hussell	Date (dd/mm/yyyy)	_
In Jan Sen	22/11/2013	
John Adam Edmond	Date (dd/mm/yyyy)	
Gerald H. Negley	Date (dd/mm/yyyy)	
Curt Progl	Date (dd/mm/yyyy)	
Mark Edmond	Date (dd/mm/yyyy)	

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Christopher P. Hussell	Date (dd/mm/yyyy)
John Adam Edmond	Date (dd/mm/yyyy)
Gerald H. Negley	15/7/2013
Gerald H. Negley / /	Date (dd/mm/yyyy)
aut Prof	15/07/26/3 Date (dd/mm/yyyy)
Curt Progi	Date (dd/mm/kyyy)
	15/07/29/3
Mark Edmond	Date (dd/mm/yyyy)

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Prancet Athalye	15 /07/2013 Date (dd/mm/yyyy)
Charles M. Swoboda	
Charics M. Swododa	Date (dd/mm/yyyy)
Antony Paul van de Ven	Date (dd/mm/yyyy)
Paul Kenneth Pickard	15 [7 ∫ Zo'3] Date (dd/mm/yyyy)
Bart P. Reier	Date (dd/mm/yyyy)
James Michael Lay	Date (dd/mm/yyyy)
Peter E. Lopez	Date (dd/mm/yyyy)
Ed Adams	Date (dd/mm/yyyy)

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Praneet Athalye	Deta (44) and Anna N
Prancet Athanye	Date (dd/mm/yyyy)
Chal M Subok	7/15/2013
Charles M. Swoboda	Date (dd/mm/yyyy)
Antony Paul van de Ven	Date (dd/mm/yyyy)
Paul Kenneth Pickard	Date (dd/mm/yyyy)
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Ed Adams	Date (dd/mm/yyyy)

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Praneet Athalye	Date (dd/mm/yyyy)
Charles M. Swoboda	Date (dd/mm/yyyy)
Antony Paul van de Ven	Date (dd/mm/yyyy)
Paul Kenneth Pickard	Date (dd/mm/yyyy)
Bart P. Reier	15/08/2013 Date (dd/mm/yyyy)
James Michael Lay	Date (dd/mm/yyyy)
Peter E. Lopez	Date (dd/mm/yyyy)
Ed Adams	Date (dd/mm/yyyy)

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Paul Kenneth Pickard	Date (dd/mm/yyyy)
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James Michael Lay	07/23/13 Date (dd/mm/yyyy)
Peter E. Lopez	7-16-13 Date (dd/mm/yyyy)
Ed Adams	Date (dd/mm/yyyy)

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Antony Paul van de Ven	Date (dd/mm/yyyy)
Paul Kenneth Pickard	Date (dd/mm/yyyy)
Bart P. Reier	Date (dd/mm/yyyy)
James Michael Lay	Date (dd/mm/yyyy)
Peter E. Lopez	Date (dd/mm/yyyy)
Ed Adams	12/07/2013 Date (dd/mm/yyyy)

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