

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT         |               |                |                     |                    |            |            |                |                |              |            |
|---|------------------------|---------------|----------------|---------------------|--------------------|------------|------------|----------------|----------------|--------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT             |               |                |                     |                    |            |            |                |                |              |            |
| CONVEYING PARTY DATA  |                        |               |                |                     |                    |            |            |                |                |              |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nicholas Desilva</td> <td>05/20/2013</td> </tr> <tr> <td>Dante Nava</td> <td>05/20/2013</td> </tr> <tr> <td>Robert Higley</td> <td>05/20/2013</td> </tr> <tr> <td>Mark Youmans</td> <td>05/20/2013</td> </tr> </tbody> </table>   |                        | Name          | Execution Date | Nicholas Desilva    | 05/20/2013         | Dante Nava | 05/20/2013 | Robert Higley  | 05/20/2013     | Mark Youmans | 05/20/2013 |
| Name  | Execution Date         |               |                |                     |                    |            |            |                |                |              |            |
| Nicholas Desilva  | 05/20/2013             |               |                |                     |                    |            |            |                |                |              |            |
| Dante Nava  | 05/20/2013             |               |                |                     |                    |            |            |                |                |              |            |
| Robert Higley   | 05/20/2013             |               |                |                     |                    |            |            |                |                |              |            |
| Mark Youmans  | 05/20/2013             |               |                |                     |                    |            |            |                |                |              |            |
| RECEIVING PARTY DATA  |                        |               |                |                     |                    |            |            |                |                |              |            |
| <table border="1"> <tr> <td>Name:</td> <td>Cree, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4600 Silicon Drive</td> </tr> <tr> <td>City:</td> <td>Durham</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27703</td> </tr> </table>  |                        | Name:         | Cree, Inc.     | Street Address:     | 4600 Silicon Drive | City:      | Durham     | State/Country: | NORTH CAROLINA | Postal Code: | 27703      |
| Name:   | Cree, Inc.             |               |                |                     |                    |            |            |                |                |              |            |
| Street Address:   | 4600 Silicon Drive     |               |                |                     |                    |            |            |                |                |              |            |
| City:   | Durham                 |               |                |                     |                    |            |            |                |                |              |            |
| State/Country:  | NORTH CAROLINA         |               |                |                     |                    |            |            |                |                |              |            |
| Postal Code:  | 27703                  |               |                |                     |                    |            |            |                |                |              |            |
| PROPERTY NUMBERS Total: 1   |                        |               |                |                     |                    |            |            |                |                |              |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13793325</td> </tr> </tbody> </table>   |                        | Property Type | Number         | Application Number: | 13793325           |            |            |                |                |              |            |
| Property Type   | Number                 |               |                |                     |                    |            |            |                |                |              |            |
| Application Number:   | 13793325               |               |                |                     |                    |            |            |                |                |              |            |
| CORRESPONDENCE DATA   |                        |               |                |                     |                    |            |            |                |                |              |            |
| <p>Fax Number: 9192868199<br/> <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-286-8000<br/>       Email: maryelizabethduncan@mvalaw.com<br/>       Correspondent Name: MOORE &amp; VAN ALLEN PLLC<br/>       Address Line 1: P.O. BOX 13706<br/>       Address Line 4: Research Triangle Pa, NORTH CAROLINA 27709</p> |                        |               |                |                     |                    |            |            |                |                |              |            |
| ATTORNEY DOCKET NUMBER:   | 034643-000488          |               |                |                     |                    |            |            |                |                |              |            |
| NAME OF SUBMITTER:  | Dennis J. Williamson   |               |                |                     |                    |            |            |                |                |              |            |
| Signature:  | /dennis j. williamson/ |               |                |                     |                    |            |            |                |                |              |            |

Date:

05/24/2013

Total Attachments: 2

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### ASSIGNMENT OF INVENTION

WHEREAS, we, **Nicholas Desilva**, a U.S. citizen, residing at 213 Ivey Road, Four Oaks, North Carolina 27534, **Dante Nava**, a U.S. citizen, residing at 107 Stonehollow Court, Cary, North Carolina 27513, **Robert Higley**, a U.S. citizen, residing at 530 Tranquil Sound Drive, Cary, North Carolina 27519, and **Mark Youmans**, a U.S. citizen, residing at 810 Glen Annie Road, Goleta, California 93117, have invented certain new and useful inventions described in the patent application entitled, "**LED LAMP WITH OMNIDIRECTIONAL LIGHT DISTRIBUTION**." 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. 13/793,325, filed March 11, 2013.

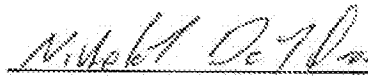
AND WHEREAS, **Cree, Inc.**, a U.S. company having an address at 4600 Silicon Drive, Durham, NC 27703, hereinafter called the "Assignee," desires to acquire all right, title and interest in and to said invention and patent application within the United States and its territorial possessions and all foreign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



Nicholas Desilva

20/05/2013

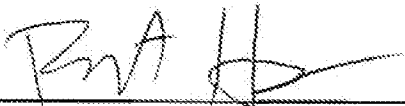
Date (dd/mm/yyyy)



Dante Nava

20/05/2013

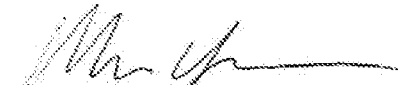
Date (dd/mm/yyyy)



Robert Higley

20/05/2013

Date (dd/mm/yyyy)



Mark Youmans

20/05/2013

Date (dd/mm/yyyy)