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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ANTONY PAUL VAN DE VEN | 02/22/2013 |
| 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 |
| Patent Number: | 9661715 |
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| NAME OF SUBMITTER: | JENNIFER ALKOVE |
| SIGNATURE: | /Jennifer Alkove/ |
| DATE SIGNED: | 06/21/2019 |
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PATENT

Atty. Docket No.: 1485/137

ASSIGNMENT

WHEREAS, we, **ANTONY PAUL VAN DE VEN** and **PAUL KENNETH PICKARD** (hereinafter "Assignors"), have made an invention described in U.S. Patent Application No. 13/763,579 filed on February 8, 2013, and entitled **SOLID STATE LIGHT EMITTING DEVICES INCLUDING ADJUSTABLE MELATONIN SUPPRESSION EFFECTS**,

AND, WHEREAS, **Cree, Inc.**, a corporation duly organized and existing under the laws of the State of North Carolina, having its principal office and place of business at 4600 Silicon Drive, Durham, NC ~~27707~~, US, (hereinafter "Assignee"), is desirous of acquiring an interest therein. 27703

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign, transfer and convey unto the Assignee, its successors and assigns, Assignors' entire right, title and interest in and to the invention and the application, and in and to any and all foreign patent applications filed on the invention based on and claiming benefit of said 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 thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with Assignors' rights to claim the priority of this application in all foreign countries in accordance with any international treaties and conventions, 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 each Assignor if this assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors each possess full title to the invention and the Applications, and that Assignors have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind Assignors' heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to him 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 and 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.

Executed this 22nd day of February, 2013.



ANTONY PAUL VAN DE VEN

Executed this _____ day of _____, 2013.

PAUL KENNETH PICKARD