PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3191196

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRIAN CARRIGAN	10/09/2014
JOHN J. TRAINOR	10/09/2014
JOSEPH P. CHOBOT	10/09/2014
MATTHEW DEESE	10/10/2014
KEITH BRYAN	01/18/2015

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:	14498119

CORRESPONDENCE DATA

Fax Number: (919)238-2301

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 919-238-2300 Email: jalkove@wt-ip.com

Correspondent Name: WITHROW & TERRANOVA, P.L.L.C. Address Line 1: 100 REGENCY FOREST DRIVE

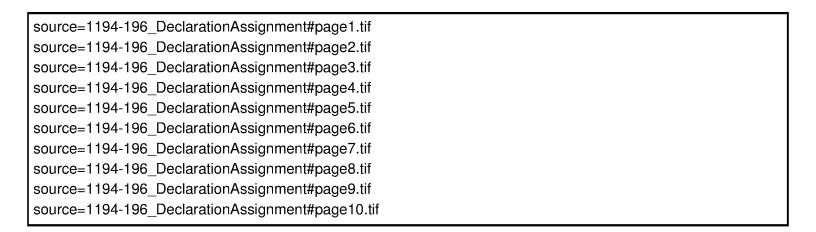
SUITE 160 Address Line 2:

Address Line 4: CARY, NORTH CAROLINA 27518

ATTORNEY DOCKET NUMBER:	1194-196
NAME OF SUBMITTER:	JENNIFER ALKOVE
SIGNATURE:	/Jennifer Alkove/
DATE SIGNED:	01/21/2015

Total Attachments: 10

PATENT REEL: 034773 FRAME: 0789



PATENT REEL: 034773 FRAME: 0790

Title of	HANDHELD DEVICE THAT IS CAPABLE OF INTERACTING WITH A
Invention	LIGHTING FIXTURE
As the below na	med inventor, I hereby declare that:
This declaration	is directed to: The attached application; or United States application or PCT international application number 14/498,119, filed on 9/26/2014.
The above-iden	tified application is made or authorized to be made by me.
I believe that I application.	um the original inventor or an original joint inventor of a claimed invention in the
Thereby acknow	viodoe that any willful folse statement made in this declaration is punishable under 18

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, Cree, Inc., a corporation duly organized and existing under the laws of the State of North Carolina and 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 the specification executed by me concurrently herewith, and any and all Letters Patent which shall be granted therefor.

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, and the use and behalf of its successors and 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 had this assignment and sale not been made.

And for the consideration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its successors and assigns, that at the time of the execution and delivery of these presents I am a joint and lawful owner of the entire right, title and interest in and to the invention, application and Letters Patent above-mentioned and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth.

And for the consideration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or

PATENT REEL: 034773 FRAME: 0791

I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, without charge to the said ASSIGNEE, its successor, assignee or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

LEGAL NAME OF INVENTOR

Inventor: Brian Carrigan

Date: 10/09/2014

Signature: <u>- 고</u>

Title of

HANDHELD DEVICE THAT IS CAPABLE OF INTERACTING WITH A

Invention	LIGHTING FIXTURE			
As the below named inventor, I hereby declare that:				
This declaration is	directed to: The attached application; or United States application or PCT international application number 14/498,119, filed on 9/26/2014.			
The above-identifie	d application is made or authorized to be made by me.			
I believe that I am t application.	he original inventor or an original joint inventor of a claimed invention in the			
	lge that any willful false statement made in this declaration is punishable under 18 e or imprisonment of not more than five (5) years, or both.			

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NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, and the use and behalf of its successors and 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 had this assignment and sale not been made.

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I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

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IN WITNESS WHEREOF, I hereunto set my hand and seal.

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Inventor: John J. Trainor	Date: 3-0cT-2014
Signature: Jekn JTZemn	·

Title of

HANDHELD DEVICE THAT IS CAPABLE OF INTERACTING WITH A

Invention	LIGHTING FIXTURE
As the below n	amed inventor, I hereby declare that:
This declaratio	n is directed to: The attached application; or Miles United States application or PCT international application number 14/498,119, filed on 9/26/2014.
The above-ider	tified application is made or authorized to be made by me.
I believe that I application.	am the original inventor or an original joint inventor of a claimed invention in the
I hereby ackno U.S.C. 1001 by	wledge that any willful false statement made in this declaration is punishable under 18 fine or imprisonment of not more than five (5) years, or both.
Carolina and h	ree. Inc., a corporation duly organized and existing under the laws of the State of North aving a principal place of business at 4600 Silicon Drive, Durham, North Carolina fter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and

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interest in and to said invention as described in the specification executed by me concurrently

herewith, and any and all Letters Patent which shall be granted therefor.

And for the consideration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its successors and assigns, that at the time of the execution and delivery of these presents I am a joint and lawful owner of the entire right, title and interest in and to the invention, application and Letters Patent above-mentioned and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth.

And for the consideration aforesaid, I hereby covenant and agree to and with the said ASSIGNEE, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or

I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

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IN WITNESS WHEREOF, I hereunto set my hand and seal.

LEGAL NAME OF INVENTOR

Inventor: Joseph	P. Chobot		Date:	10/	<u> 2/ 2</u>	(is /)/
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Title of	HANDHELD DEVICE THAT IS CAPABLE OF INTERACTING WITH A
Invention	LIGHTING FIXTURE
As the below named	I inventor, I hereby declare that:
This declaration is	lirected to: The attached application; or United States application or PCT international application number 14/498,119, filed on 9/26/2014.
The above-identifie	d application is made or authorized to be made by me.
I believe that I am t application.	he original inventor or an original joint inventor of a claimed invention in the
	ge that any willful false statement made in this declaration is punishable under 18 or imprisonment of not more than five (5) years, or both.
Carolina and having 27703 (hereinafter a interest in and to sa	Inc., a corporation duly organized and existing under the laws of the State of North g a principal place of business at 4600 Silicon Drive, Durham, North Carolina referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and id invention as described in the specification executed by me concurrently and all Letters Patent which shall be granted therefor.
consideration, the resold, assigned, trans	tE, To All Whom It May Concern, be it known that for good and valuable eccipt and sufficiency of which is hereby acknowledged, I, the said assignor, have sferred and set over unto the said ASSIGNEE, its successors and assigns, the entire

consideration, the receipt and sufficiency of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, and the use and behalf of its successors and 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 had this assignment and sale not been made.

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IN WITNESS WHEREOF, I hereunto set my hand and seal.

LEGAL NAME OF INVENTOR

Inventor: Matthew Deese	Date:	10/10/2014	
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Signatura Add ()			
Milliania.			

1194-196 / P2232US1

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	HANDHELD DEVICE THAT IS CAPABLE OF INTERACTING WITH A LIGHTING FIXTURE			
As the below named inventor, I hereby declare that:				
This declaration is o	directed to: The attached application; or United States application or PCT international application number 14/498,119, filed on 9/26/2014.			

The above-identified application is made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, <u>Cree, Inc.</u>, a corporation duly organized and existing under the laws of the State of North Carolina and 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 the specification executed by me concurrently herewith, and any and all Letters Patent which shall be granted therefor.

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said ASSIGNEE, for its interest, and for its own use and behalf, and the use and behalf of its successors and 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 had this assignment and sale not been made.

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1194-196 / P2232US1

for the reissue of the same without charge to the said ASSIGNEE, its successors or assigns, but at its or their expense.

I hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument.

For the consideration aforesaid, I have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and I hereby authorize and empower the said ASSIGNEE, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the ASSIGNEE, its successors, assignee, or nominee, without charge to the said ASSIGNEE, its successor, assignee or nominee, but at its or their expense.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

LEGAL NAME OF INVENTOR

RECORDED: 01/21/2015

Inventor: <u>Keith Bryan</u>	Date: 1/18/2015
Signature: Keut Bayar	,