#### 505726272 10/16/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5773084

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SEAN MACLEAN MURRAY	10/07/2019
YAN VERMETTE	05/02/2019
GERALD EDWARD BRIGGS	10/07/2019
JULIEN GIRARD	05/02/2019

# **RECEIVING PARTY DATA**

Name:	ARKALUMEN INC.
Street Address:	1750 COURTWOOD CRESCENT, SUITE 308
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K2C2B5

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16286587

### **CORRESPONDENCE DATA**

Fax Number: (613)800-0855

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: 6138647326

Email: sean@murrayip.com

**Correspondent Name: MURRAY IP** 

Address Line 1: 1750 COURTWOOD CRESCENT, SUITE 308

Address Line 4: OTTAWA, CANADA K2C2B5

ATTORNEY DOCKET NUMBER:	1000-053
NAME OF SUBMITTER:	SEAN M MURRAY
SIGNATURE:	/Sean Murray/
DATE SIGNED:	10/16/2019

### **Total Attachments: 9**

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# ASSIGNMENT

WHEREAS, We, Sean MacLean MURRAY, citizen of CANADA, residing at 125 Spencer St., Ottawa, Ontario, K1Y 2P8, CANADA; Yan VERMETTE, citizen of CANADA, residing at 316 Statewood Dr., Kanata, Ontario, K2K 0A9, CANADA; Gerald Edward BRIGGS, citizen of CANADA, residing at 169 Lees Ave., Suite PH6, Ottawa, Ontario, K1S 5M2, CANADA; and Julien GIRARD, residing at 6, Astre St., Apartment 3, Gatineau, Quebec, J9A 3S3, CANADA;

hereinafter referred to as the "Assignor", made an invention as described and claimed in the following patent application, hereinafter referred to as the "Application":

Title	Filing Date	Country/Region or PCT	Serial Number
METHOD AND APPARATUS FOR CONTROLLING A			
LIGHTING MODULE HAVING A PLURALITY OF LED GROUPS	February 27, 2019	United States	16/286,587

AND WHEREAS, ARKALUMEN INC., whose full post office address is 1750 Courtwood Cres., Suite 308, Ottawa, Ontario, K2C 2B5, CANADA, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to the invention, and in and to the Application inclusive of any continuations or divisions thereof and all priority rights derived therefrom, for any and all countries in the world, and in and to any and all patents issuing in any and all countries of the world, to be granted for the invention based on the Application or on corresponding applications;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, their entire right, title, and interest in and to the invention, and in and to the Application inclusive of any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country, and in and to all Letters Patent which may be granted for the invention in any and all countries in the world including the United States of America, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which the patent, or reissues, substitutions or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor had the Assignment not been made:

AND the Assignor hereby agrees, upon request, and without further consideration, but at the expense of the Assignee, to communicate to the Assignee or its representatives or nominees any facts known to them respecting the invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention in all countries, and the Assignor further agrees to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its successors and assigns, in and to the invention, and in and to any and all patents, or

Page 1 of 3

reissues, substitutions or prolongations thereof, which may be granted for the invention in any and all countries in the world;

AND the Assignor hereby authorizes and requests any official whose duty it is to issue patents to issue each and every patent to be granted for the invention in any and all countries, and each and every reissue, substitution or prolongation of the patents, to the Assignce, its successors and assigns;

AND the Assignor hereby authorizes Murray IP Consulting Inc. whose full post office address is 1750 Courtwood Cres., Suite 308, Ottawa, Ontario, K2C 2B5, CANADA to correct clerical errors in the Assignment or to insert any further identification or other information necessary or desirable to make the Assignment suitable for recordal in any Patent Office.

THIS Assignment is made effective as of February 27, 2019.

SIGNED this 7th day of 4460	<u> </u>	~		
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Sean MacLean MURRAY				
DECLARATION OF WITNESS		¥.		
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# **ASSIGNMENT**

WHEREAS, We, Sean MacLean MURRAY, citizen of CANADA, residing at 125 Spencer St., Ottawa, Ontario, K1Y 2P8, CANADA; Yan VERMETTE, citizen of CANADA, residing at 316 Statewood Dr., Kanata, Ontario, K2K 0A9, CANADA; Gerald Edward BRIGGS, citizen of CANADA, residing at 169 Lees Ave., Suite PH6, Ottawa, Ontario, K1S 5M2, CANADA; and Julien GIRARD, residing at 6, Astre St., Apartment 3, Gatineau, Quebec, J9A 3S3, CANADA;

hereinafter referred to as the "Assignor", made an invention as described and claimed in the following patent application, hereinafter referred to as the "Application":

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METHOD AND APPARATUS			
FOR CONTROLLING A			
LIGHTING MODULE HAVING	February 27, 2019	United States	16/286,587
A PLURALITY OF LED			
GROUPS			

AND WHEREAS, ARKALUMEN INC., whose full post office address is 1750 Courtwood Cres., Suite 308, Ottawa, Ontario, K2C 2B5, CANADA, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to the invention, and in and to the Application inclusive of any continuations or divisions thereof and all priority rights derived therefrom, for any and all countries in the world, and in and to any and all patents issuing in any and all countries of the world, to be granted for the invention based on the Application or on corresponding applications;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, their entire right, title, and interest in and to the invention, and in and to the Application inclusive of any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country, and in and to all Letters Patent which may be granted for the invention in any and all countries in the world including the United States of America, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which the patent, or reissues, substitutions or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor had the Assignment not been made;

AND the Assignor hereby agrees, upon request, and without further consideration, but at the expense of the Assignee, to communicate to the Assignee or its representatives or nominees any facts known to them respecting the invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention in all countries, and the Assignor further agrees to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its successors and assigns, in and to the invention, and in and to any and all patents, or

Page 1 of 3

Witness signature

reissues, substitutions or prolongations thereof, which may be granted for the invention in any and all countries in the world;

AND the Assignor hereby authorizes and requests any official whose duty it is to issue patents to issue each and every patent to be granted for the invention in any and all countries, and each and every reissue, substitution or prolongation of the patents, to the Assignee, its successors and assigns;

AND the Assignor hereby authorizes Murray IP Consulting Inc. whose full post office address is 1750 Courtwood Cres., Suite 308, Ottawa, Ontario, K2C 2B5, CANADA to correct clerical errors in the Assignment or to insert any further identification or other information necessary or desirable to make the Assignment suitable for recordal in any Patent Office.

THIS Assignment is made effective as of February 27, 2019.

SIGNED this \_\_\_\_\_ day of \_\_\_\_\_, Sean MacLean MURRAY DECLARATION OF WITNESS ], whose full postal address , hereby declare that I was personally present and did see Sean MacLean MURRAY, who is personally known to me to be the person named in this Assignment, sign and execute same. Declared at \_\_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_\_. Witness signature SIGNED this 2 day of May , 2014 DECLARATION OF WITNESS I, Steven Penney, whose full postal address is 18 Springwater Dr. Kazalow, K211057, hereby declare that I was personally present and did see Yan VERMETTE, who is personally known to me to be the person named in this Assignment, sign and execute same. Declared at Kassala, ON, this 2° day of May, 2019.

Page 2 of 3

SIGNED this day of	,	-
Gerald Edward BRIGGS		
DECLARATION OF WITNESS		
I,		, whose full postal address is hereby declare that I was personally
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SIGNED this day of	?	-
Julien GIRARD		
DECLARATION OF WITNESS		
I,	,	, whose full postal address is hereby declare that I was personally
present and did see Julien GIRARD, w this Assignment, sign and execute same		ally known to me to be the person named in
Declared at	, this	day of
Witness signature		

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NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, their entire right, title, and interest in and to the invention, and in and to the Application inclusive of any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country, and in and to all Letters Patent which may be granted for the invention in any and all countries in the world including the United States of America, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which the patent, or reissues, substitutions or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor had the Assignment not been made;

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#### 1000-053

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SIGNED this	day of	•		
Sean MacLean MU	RRAY	*****		
DECLARATION	OF WITNESS			
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