

PATENT ASSIGNMENT COVER SHEET

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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
<i>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.</i>	
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

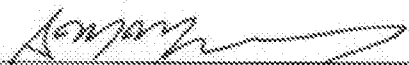
reissues, substitutions or prolongations thereof, which may be granted for the invention in any and all countries in the world;

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.

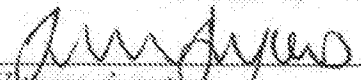
SIGNED this 7th day of October, 2019


Sean MacLean MURRAY

DECLARATION OF WITNESS

I, Jenna Lyons, whose full postal address is 33-384 Macleod St. Ottawa, ON, Canada, K2P 0M5, 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 Ottawa, ON, Canada, this 7th day of October, 2019.


Witness signature

* * * * *

SIGNED this _____ day of _____, _____

Yan VERMETTE

DECLARATION OF WITNESS

I, _____, whose full postal address is _____, 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 _____, this _____ day of _____, _____.

Witness signature


* * * * *

SIGNED this 7th day of October, 2019

 Gerald Edward BRIGGS
DECLARATION OF WITNESS

I, Anna Lyons, whose full postal address is
37-384 MacLaren Street, Ottawa, Ontario Canada K2H 9M8, hereby declare that I was personally
 present and did see Gerald Edward BRIGGS, who is personally known to me to be the person
 named in this Assignment, sign and execute same.

 Declared at Ottawa, Ontario, Canada, this 7th day of October, 2019.


 Witness signature

* * * * *

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, 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

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

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

I, _____, whose full postal address is _____, 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, 2019

Yan Vermette
Yan VERMETTE

DECLARATION OF WITNESS

I, Steven Penney, whose full postal address is 185 Springwater Dr. Kananaskis, K2C 2B5, 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 Kananaskis, ON, this 2nd day of May, 2019.

At Penney
Witness signature

* * * * *

SIGNED this _____ day of _____, _____

Gerald Edward BRIGGS

DECLARATION OF WITNESS

I, _____, whose full postal address is _____, hereby declare that I was personally present and did see Gerald Edward BRIGGS, 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 _____ 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, 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

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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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

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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

I, _____, whose full postal address is _____, 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 _____ day of _____, _____

Yan VERMETTE

DECLARATION OF WITNESS

I, _____, whose full postal address is _____, 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 _____, this _____ day of _____, _____.

Witness signature

* * * * *

SIGNED this _____ day of _____,

Gerald Edward BRIGGS

DECLARATION OF WITNESS

I, _____, whose full postal address is _____, hereby declare that I was personally present and did see Gerald Edward BRIGGS, 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 2nd day of May, 2019

Julien Girard
Julien GIRARD

DECLARATION OF WITNESS

I, Joelle Bigas, whose full postal address is 3-6 Astre, Gagneux, GC, 79133, FR, hereby declare that I was personally present and did see Julien GIRARD, who is personally known to me to be the person named in this Assignment, sign and execute same.

Declared at 6:15 PM, this 2nd day of May, 2019

Joelle Bigas
Witness signature