

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5704743

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
XENIO SYSTEMS, INC.	12/31/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	PHILIPS LIGHTING HOLDING B.V.
<b>Street Address:</b>	HIGH TECH CAMPUS 48
<b>City:</b>	EINDHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5656 AE

**PROPERTY NUMBERS Total: 31**

Property Type	Number
Patent Number:	7936135
Patent Number:	8247998
Patent Number:	8089217
Patent Number:	7956546
Patent Number:	8350485
Patent Number:	8641241
Patent Number:	8436549
Patent Number:	9091399
Patent Number:	10047914
Patent Number:	9127829
Patent Number:	8159153
Patent Number:	8147093
Patent Number:	8330390
Patent Number:	8482013
Patent Number:	9271368
Patent Number:	8941129
Patent Number:	8975821
Patent Number:	9247594
Patent Number:	9155145
Patent Number:	9351358

PATENT

Property Type	Number
Patent Number:	9468052
Patent Number:	9730284
Patent Number:	9164001
Patent Number:	9420658
Patent Number:	9252337
Patent Number:	9502620
Patent Number:	9769909
Patent Number:	9406855
Patent Number:	9277618
Patent Number:	9392666
Patent Number:	9756697

**CORRESPONDENCE DATA**

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**Address Line 4:** VALHALLA, NEW YORK 10595

<b>ATTORNEY DOCKET NUMBER:</b>	ISSUED XENIO MATTERS
<b>NAME OF SUBMITTER:</b>	STEPHEN M. KOHEN
<b>SIGNATURE:</b>	/Stephen M. Kohen/
<b>DATE SIGNED:</b>	09/06/2019

**Total Attachments: 5**  
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source=Assignment#page4.tif  
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**EXHIBIT B**

**ASSIGNMENT OF PATENT RIGHTS**

For good and valuable consideration, the receipt of which is hereby acknowledged, Xenio Systems, Inc., a Delaware corporation having offices at 724 Brannan Street, San Francisco, CA 94103, USA, ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Philips Lighting Holding B.V., a Dutch company having an office at High Tech Campus 7, 5656 AE Eindhoven, The Netherlands ("*Assignee*"), or its designees, excluding the provisional patent applications, patent applications and patents that have been abandoned as of the date of today and that are no longer capable of being revived, all right, title, and interest that exist today and may exist in the future in and to all of the following listed in Exhibit A (collectively, the "*Patent Rights*"):

- (a) the provisional patent applications, patent applications and patents listed below (the "*Patents*");
- (b) all provisional patent applications, patent applications, patents or other governmental grants or issuances (i) to which any of the Patents directly or indirectly claims priority and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, and divisions of any of the foregoing categories (a) and (b);
- (d) foreign patents, patent applications, and counterparts relating to any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (e) any of the foregoing in categories (a) through (d), whether or not expressly listed as Patents below and whether or not rejected, withdrawn, cancelled, or the like;
- (f) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to the any of the foregoing categories (a) through (e), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (g) causes of action (whether currently pending, filed, or otherwise) and other enforcement rights, including, without limitation, all rights under Patents and/or under or on account of any of the foregoing categories (a) through (f) to
  - (i) damages,
  - (ii) injunctive relief, and
  - (iii) other remedies of any kind

for past, current, and future infringement; and

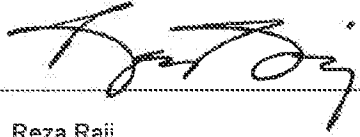
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- (i) all rights to collect royalties and other payments under or on account of any of the Patents or any of the foregoing categories (b) through (h).

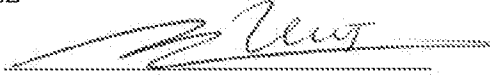
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on December 31, 2018:

ASSIGNOR

By:   
Name: Reza Raji  
Title: CEO

ASSIGNEE

By:   
Name: P.D. Verweij  
Authorized Representative  
Title: \_\_\_\_\_

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*Exhibit A* -- Patents to be Assigned

Patent Number	Application Number	Title	Issue Date	Country Name
9,247,594	14/168452	LED ARRAY MEMBER AND THERMALLY DECOUPLED INTEGRATED CONTROL MODULE ASSEMBLY	1/26/2016	United States
9,164,001	13/930672	USING AN LED DIE TO MEASURE TEMPERATURE INSIDE SILICONE THAT ENCAPSULATES AN LED ARRAY	10/20/2015	United States
	14/829639	USING AN LED DIE TO MEASURE TEMPERATURE INSIDE SILICONE THAT ENCAPSULATES AN LED ARRAY		United States
8,641,241	13/085917	GIMBALED LED ARRAY MODULE	2/4/2014	United States
8,482,013	13/253865	RECONFIGURABLE MULTI-LED LIGHT SOURCE	7/9/2013	United States
2,767,985	2767985	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM	12/6/2016	Canada
ZL 2010800320989	20108003209 8.9	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM	9/21/2016	China
	10800332.8	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM		European Patent Application
1167202B	12107883.1	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM	9/21/2016	Hong Kong
	MX/a/2012 /000755	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM		Mexico
1466591	99123078	A METHOD OF GENERATING LIGHT, A RECONFIGURABLE LED ARRAY AND USE OF THE RECONFIGURABLE LED ARRAY IN A LIGHTING SYSTEM	12/21/2014	Taiwan, Province of China
8,247,998	13/070299	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM	8/21/2012	United States
8,089,217	13/080353	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM	1/3/2012	United States
7,936,135	12/504994	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM	5/3/2011	United States
	2014- 7029834	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM		Korea, Republic of
	20161075609 7.8	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM		China
	10-2016- 7029365	RECONFIGURABLE LED ARRAY AND USE IN LIGHTING SYSTEM		Korea, Republic of
9,277,618	14/318383	MONOLITHIC LED CHIP IN AN INTEGRATED CONTROL MODULE WITH ACTIVE CIRCUITRY	3/1/2016	United States
9,392,666	15/008358	MONOLITHIC LED CHIP IN AN INTEGRATED CONTROL	7/12/2016	United States

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		MODULE WITH ACTIVE CIRCUITRY		
	14/470890	LIGHT EMITTING APPARATUS COMPRISING INDIVIDUALLY CONTROLLED LIGHT EMITTING CIRCUITS ON AN INTEGRATED CIRCUIT		United States
	11201600200 4.3	MODULAR LED LIGHTBULB		Germany
	10-2011- 7027163	MODULAR LED LIGHTBULB		Korea, Republic of
	99110867	MODULAR LED LIGHTBULB		Taiwan, Province of China
8,350,485	13/073726	MODULAR LED LIGHT BULB	1/8/2013	United States
7,956,546	12/467191	MODULAR LED LIGHTBULB	6/7/2011	United States
5490223	2012-510808	MODULAR LED LIGHTBULB	3/7/2014	Japan
ZL 201080019400.7	20108001940 0.7	MODULAR LED LIGHT BULB	9/23/2015	China
	14/757904	METHOD ON DIGITAL DEEP DIMMING THROUGH COMBINED PWM AND PFM		United States
	15/009610	METHOD AND APPARATUS FOR PROVIDING A PASSIVE COLOR CONTROL SCHEME USING BLUE AND RED EMITTERS		United States
9,271,368	13/708916	METHOD AND APPARATUS FOR PROVIDING A PASSIVE COLOR CONTROL SCHEME USING BLUE AND RED EMITTERS	2/23/2016	United States
8,147,093	12/815327	LIGHT SOURCE HAVING LEDS OF SELECTED SPECTRAL OUTPUT, AND METHOD FOR CONSTRUCTING SAME	4/3/2012	United States
8,159,153	12/896615	LED LIGHT SOURCES WITH IMPROVED THERMAL COMPENSATION	4/17/2012	United States
8,975,821	14/062079	LED ARRAY MEMBER AND INTEGRATED CONTROL MODULE ASSEMBLY WITH BUILT-IN SWITCHING CONVERTER	3/10/2015	United States
9,351,358	14/614361	LED ARRAY MEMBER AND INTEGRATED CONTROL MODULE ASSEMBLY WITH BUILT-IN SWITCHING CONVERTER	5/24/2016	United States
9,730,284	15/136926	LED ARRAY MEMBER AND INTEGRATED CONTROL MODULE ASSEMBLY WITH BUILT-IN SWITCHING CONVERTER	8/8/2017	United States
9,155,145	14/530042	LED ARRAY MEMBER AND INTEGRATED CONTROL MODULE ASSEMBLY HAVING ACTIVE CIRCUITRY	10/6/2015	United States

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8,941,129	14/046459	USING AN LED DIE TO MEASURE TEMPERATURE INSIDE SILICONE THAT ENCAPSULATES AS LED ARRAY	1/27/2015	United States
9,468,052	14/847819	LED ARRAY MEMBER AND INTEGRATED CONTROL MODULE ASSEMBLY HAVING ACTIVE CIRCUITRY	10/11/2016	United States
9,406,855	14/213071	LAMINATED ELECTRICAL TRACE WITHIN AN LED INTERCONNECT	8/2/2016	United States
	15/195907	LAMINATED ELECTRICAL TRACE WITHIN AN LED INTERCONNECT		United States
	14/964422	ISM ARCHITECTURE ADAPTED FOR VARIABLE OPTICAL CONFIGURATIONS		United States
9,420,658	14/562645	INRUSH ENERGY CONTROL FOR A LIGHT EMITTER	8/16/2016	United States
	15/214265	INRUSH ENERGY CONTROL FOR A LIGHT EMITTER		United States
1468623	100141192	DRIVER-FREE LIGHT-EMITTING DEVICE	1/11/2015	Taiwan, Province of China
9,091,399	13/228247	DRIVER-FREE LIGHT-EMITTING DEVICE	7/28/2015	United States
	14/331197	DRIVER-FREE LIGHT-EMITTING DEVICE		United States
1475927	100128798	DRIVE CIRCUIT FOR A COLOR TEMPERATURE TUNABLE LIGHT SOURCE	3/1/2015	Taiwan, Province of China
8,436,549	12/856009	DRIVE CIRCUIT FOR A COLOR TEMPERATURE TUNABLE LIGHT SOURCE	5/7/2013	United States
	14/562639	CURRENT STEERING AND DIMMING CONTROL OF A LIGHT EMITTER		United States
8,330,390	13/084331	AC LED LIGHT SOURCE WITH REDUCED FLICKER	12/11/2012	United States
1448645	100141191	AC LED ARRAY MODULE FOR STREET LIGHT APPLICATIONS	8/11/2014	Taiwan, Province of China
9,127,829	13/873758	AC LED ARRAY MODULE FOR STREET LIGHT APPLICATIONS	9/8/2015	United States
9,252,337	14/579937	COMPOSITE SUBSTRATE FOR LIGHT EMITTING DIODES	2/2/2016	United States
9,502,620	14/988537	COMPOSITE SUBSTRATE FOR LIGHT EMITTING DIODES	11/22/2016	United States
	15/011479	INTEGRATED SMART MODULE ARCHITECTURE		United States