

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2873841

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENICHI HASHIZUME	10/18/2012
CHRISTOPHER JOHN BUNTEL	09/28/2012
GEORGIUS ABIDAL ADAM	09/28/2012
VINCENZO CASASANTA III	10/08/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMPIRE TECHNOLOGY DEVELOPMENT LLC
<b>Street Address:</b>	2711 CENTERVILLE ROAD
<b>Internal Address:</b>	SUITE 400
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19808
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13830068
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)672-5399
<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>	
<b>Phone:</b>	608-257-5035
<b>Email:</b>	shaack@foley.com
<b>Correspondent Name:</b>	JEFFREY R. LOMPNEY
<b>Address Line 1:</b>	3000 K STREET N.W.
<b>Address Line 2:</b>	SUITE 600
<b>Address Line 4:</b>	WASHINGTON, D.C. 20007
<b>ATTORNEY DOCKET NUMBER:</b>	091619-0853
<b>NAME OF SUBMITTER:</b>	JEFFREY R. LOMPNEY
<b>SIGNATURE:</b>	/Jeffrey R Lompney/
<b>DATE SIGNED:</b>	05/28/2014
<b>Total Attachments: 11</b>	
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### **ASSIGNMENT OF PATENT RIGHTS**

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Kenichi HASHIZUME, of 396-7 Urushibara , Yoshioka-machi, KItagunma-gun, Gunma 370-3601, Japan, and Christopher John BUNTEL, of 398 Kallang Road, The Riverine by the Park, #20-01 Singapore, 339098 (Collectively, "**Assignor**"), effective as of April 14, 2012, hereby sells, assigns, transfers, and conveys unto

(A) Empire Technology Development LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("**U.S. Assignee**"), all rights, title, and interests that exist today and may exist in the future in and to any and all of the following items (1) through (8) below:

1. the inventions disclosed in the solution report/invention disclosure titled "**Protection of organic light emitting devices by materials that release an inert gas and consume either water and/or oxygen**" and all inventions claimed and/or described in the Application (collectively, the "**Invention**");
2. the patent applications listed in the table below (the "**Application**");

<b><u>Patent Application No.</u></b>	<b><u>Country</u></b>	<b><u>Filing Date</u></b>	<b><u>Title</u></b>
PCT/US2012/061357	PCT	10/22/2012	PROTECTION OF LIGHT EMITTING DEVICES
13/830068	U.S.	3/14/2013	

3. all rights with respect to the Invention, including all United States patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("**Potential Patents**");
4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("**Foreign Rights**"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;

6. all rights to claim priority rights deriving from the Application;
7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

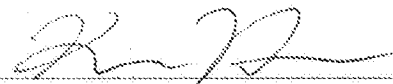
As used in this Assignment, "Assignee" means, collectively, the U.S. Assignee and the Non-U.S. Assignee. Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests 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 Rights in the name of the Assignee, as the assignee to the entire interest therein.

Assignor hereby authorizes and requests authorized representative to insert on this Assignment the filing date and Patent Application Numbers in the table above when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

[Signature Page(s) to Follow]

By:



Kenichi HASHIZUME,  
396-7 Urushibara, Yoshioka-machi,  
Kitagunma-gun, Gunma 370-3601, Japan

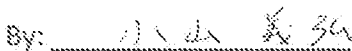
ATTESTATION

The undersigned witnessed the signature of Kenichi HASHIZUME to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Kenichi HASHIZUME is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 18. Dec, 2012 to execute this document.
3. Kenichi HASHIZUME subscribed to this document.

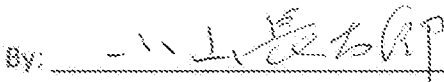
I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By:



Print Name: Yoshihiro Koyama

By:



Print Name: Chotarō Koyama

By:



Christopher John Buntel  
398 Kallang Road,  
The Riverine by the Park, #20-01  
Singapore, 339098

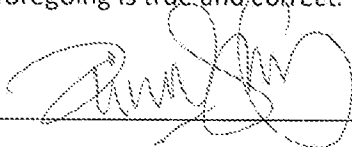
**ATTESTATION**

The undersigned witnessed the signature of Christopher John Buntel to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Christopher John Buntel is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 28 SEP, 2018 to execute this document.
3. Christopher John Buntel subscribed to this document.

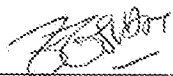
I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By:



Print Name: ALICIA SIM

By:



Print Name: Neo Ee Sian

## **ASSIGNMENT OF PATENT RIGHTS**

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Georgius Abidal ADAM, having an address of 46A Gwandalan Road, Edensor Park, NSW 2176 Australia (“**Assignor**”), effective as of April 14 2012 hereby sells, assigns, transfers, and conveys unto Empire Technology Development LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 (“**Assignee**”), all rights, title, and interests that exist today and may exist in the future in and to any and all of the following items (1) through (8) below:

1. the inventions disclosed in the solution report/invention disclosure titled “**Protection of organic light emitting devices by materials that release an inert gas and consume either water and/or oxygen**” and all inventions claimed and/or described in the Application (collectively, the “**Invention**”);

2. the patent applications listed in the table below (the “**Application**”);

Patent Application No.	Country	Filing Date	Title
13/830068	U.S.	3/14/2013	PROTECTION OF LIGHT EMITTING DEVICES

3. all rights with respect to the Invention, including all United States patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application (“**Potential Patents**”);

4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;

5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances (“**Foreign Rights**”), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;

6. all rights to claim priority rights deriving from the Application;

7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights,

conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests 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 Rights in the name of the Assignee, as the assignee to the entire interest therein.

Assignor hereby authorizes and requests Assignee's authorized representative to insert on this Assignment the filing date and Patent Application Numbers in the table above when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

[Signature Page(s) to Follow]



By:



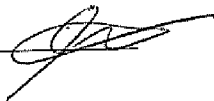
Print name:

Georgius Abidal ADAM

**STATEMENT BY WITNESS**

I, Amy Withnall of address 17 Llewellyn Street, Marrickville, NSW 2204 hereby declare that I was personally present and did see the above named person(s), personally known to me to be the person(s) name in the assignment, duly sign and execute the same.

Signature of Witness:



Date: 28 SEPT 2012

### ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of Empire Technology Development LLC. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

..... I am an officer of the above-identified ASSIGNEE,

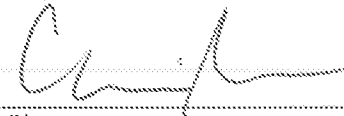
..... I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all the foregoing is true and correct.

Dated:

10/18/12

By:

  
Signature

Name:

CHRIS ALLIEGRO

Title:

Authorized person

7c

### ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Vincenzo Casasanta III, of 16925 237th PL NE, Woodinville, WA 98077, U.S. ("Assignor"), effective as of April 14, 2012, hereby sells, assigns, transfers, and conveys unto

(A) Empire Technology Development LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("U.S. Assignee"), all rights, title, and interests that exist today and may exist in the future in and to any and all of the following items (1) through (8) below:

1. the inventions disclosed in the solution report/invention disclosure titled "Protection of organic light emitting devices by materials that release an inert gas and consume either water and/or oxygen" and all inventions claimed and/or described in the Application (collectively, the "Invention");
2. the patent applications listed in the table below (the "Application");

<u>Patent Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title</u>
13/830068	U.S.	3/14/2013	PROTECTION OF LIGHT EMITTING DEVICES

3. all rights with respect to the Invention, including all United States patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("Potential Patents");
4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
6. all rights to claim priority rights deriving from the Application;



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By:

Vincenzo Casasanta III  
Vincenzo Casasanta III  
16925 237th PL NE,  
Woodinville, WA 98077, U.S.

NOTARIZATION

STATE OF Washington )  
 ) ss.  
COUNTY OF King )

On OCTOBER 8, 2012, before me, David B. Jaffe, Notary Public,  
personally appeared Vincenzo Casasanta III, who proved to me on the basis of satisfactory  
evidence to be the person whose name is subscribed to the within instrument and  
acknowledged to me that he executed the same in his authorized capacity, and that by his  
signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s)  
acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Washington that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

David B. Jaffe

