

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KAI FOOK FRANCIS WEE	01/18/2013
CHYE BOON TAN	01/18/2013
HAI BOON TAN	01/18/2013
ANDREA STONA	01/18/2013
SOON THIAM CHAN	01/18/2013
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City:	SINGAPORE
State/Country:	SINGAPORE
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15208693
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NAME OF SUBMITTER:	ELIZABETH A. GALLETTA
SIGNATURE:	/Elizabeth A. Galletta/
DATE SIGNED:	10/20/2016

Total Attachments: 8

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DATED

18th January 2012/2013

**FRANCIS WEE KAI FOOK
TAN CHYE BOON
TAN HAI BOON
STONA ANDREA
CHAN SOON THIAM**

as Assignors

And

OPULENT ELECTRONICS INTERNATIONAL PTE LTD

as Assignee

DEED OF ASSIGNMENT
of Invention and Patent Applications

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Singapore 048621
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CONTENTS

<u>CLAUSE</u>	<u>HEADING</u>	<u>PAGE</u>
1.	ASSIGNMENT	1
2.	FURTHER ASSURANCE	2
3.	GOVERNING LAW	2
<u>SCHEDULE</u>		
1	INVENTION	3
2	PATENT APPLICATIONS	4

THIS DEED is made on 18th January 2012/2013

BETWEEN

- (1) **FRANCIS, WEE, KAI FOOK** (NRIC NO. 1350434B) of 31 Jalan Isnin Thomson Garden, Singapore 577969;
TAN, Chye Boon (ID No. 70123-07-5101) of 1A-16-B, Leader Garden, Jalan Chee Seng 13, Tanjong Bungah 11200 Penang, Malaysia;
TAN, Hai Boon (ID No. 711123-07-5303) of 121 Tingkat Batu Maung, Taman Sri Mewah Indah Bayan Lepas, 11960 Penang, Malaysia;
STONA, Andrea (ID No. AD 223429) of City Bolzano, Street via Milano 174, 39100 Bolzano, Italy;
CHAN, Soon Thiam (ID No. 681202075171) of 71-2-34, Lebuhraya Batu Maung 11960 Penang, Malaysia

(collectively the "Assignors"); and

- (2) **OPULENT ELECTRONICS INTERNATIONAL PTE LTD** (Company Registration No. 200507206E) a company incorporated in Singapore having its registered office at 10 Ubi Crescent, #07-12 Lobby B, Ubi Tech Park, Singapore 408564 (the "Assignee")

WHEREAS:

- (A) The Assignors are the inventors in relation to the invention described in Schedule 1 (hereinafter called the "Invention") and the patent applications detailed in Schedule 2 (hereinafter called the "Patent Applications").

NOW THIS DEED HEREBY WITNESSES as follows:

1. ASSIGNMENT

- 1.1 In consideration of the sum of S\$1/- now paid by the Assignee to the Assignors (the receipt of which is hereby acknowledged by the Assignors), subject to clause 2 below, the Assignors hereby ASSIGN absolutely to the Assignee free from encumbrances:

- (a) all its right title and interest throughout the world in and to:
- (i) the Invention and the Patent Applications;
 - (ii) any improvements (the "Improvements") on the Invention and Patent Applications heretofore or hereafter made or acquired by the Assignors (or any of them);
 - (iii) all intellectual property rights in the Invention and Improvements; and

- (iv) any and all patent or patents on the Invention and/or Improvements that may be granted anywhere in the world;

together with all rights and powers arising or accrued therefrom including the right to sue for damages and other remedies in respect of any infringement of such rights or other acts within the scope of the claims of any published specification of any patent on the Invention and/or Improvements;

- (b) the right to apply for prosecute and obtain patent or similar protection throughout the world in respect of the Invention and/or the Improvements to the intent that the grant of any patents or similar protection shall be in the name of and vest in the Assignee.

2. FURTHER ASSURANCE

2.1 The Assignors further covenant that:

- (a) at the direction and expense of the Assignee they will at all times hereafter do all such acts and execute all such documents as may reasonably be necessary or desirable both to secure the vesting in the Assignee of all rights assigned to the Assignee hereunder in any country whether patent applications have been made or not and to assist in the resolution of any question concerning any patent applications in respect of the Invention and/or the Improvements, whether in the course of legal proceedings or otherwise to uphold the Assignee's rights herein;
- (b) each Assignor will forthwith from time to time after making any Improvement whether patentable or not disclose the same to the Assignee and if and whenever required by the Assignee but at the cost of the Assignee will give to the Assignee full particulars as to the nature of making and working the same and will (at the option of the Assignee) either apply for and endeavour to obtain or join with the Assignee in applying for patents in respect of such Improvement and when and if the same shall be obtained will at the like expense execute and do all documents acts and things necessary for vesting the same and the full and exclusive benefit thereof in the Assignee.

3. GOVERNING LAW

3.1 Governing law: This Deed shall be governed by and construed in accordance with the laws of Singapore.

3.2 Jurisdiction: The parties hereby submit to the non-exclusive jurisdiction of the Singapore courts.

SCHEDULE 1

Invention

SYSTEM AND DEVICE FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS

ABSTRACT

A system for driving a plurality of high powered LED units, the system comprising a single driver for providing ripple free constant direct current to a plurality of high powered LED lamp units, wherein the single driver comprises a digital controller programmable to adjust the ripple free constant direct current at every predetermined time interval based on detection and computation of the duration taken for the energy to be discharged to the LED lamp unit to adjust the ripple free constant direct current. The above system achieves a one driver to many LED lamp units such that it alleviates or eliminates the need to have a driver attached to each LED lamp unit.

SCHEDULE 2

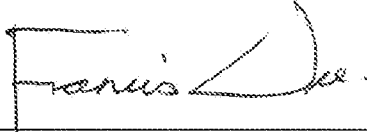
Patent Applications

S/No	Country	PATENT APPLICATION NO.	TITLE OF INVENTION	FILING DATE
1.	Singapore	201108173-4	SYSTEM FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS	4 November 2011
2.	Singapore	201202701-7	SYSTEM FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS	13 April 2012
3.	PCT	PCT/SG2012/000415	SYSTEM AND DEVICE FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS	2 November 2012
4.	Taiwan	101140976	SYSTEM AND DEVICE FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS	5 November 2012

IN WITNESS WHEREOF this Deed has been executed on the date stated at the beginning.

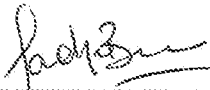
Assignors

SIGNED SEALED and DELIVERED)
by **FRANCIS, WEE, KAI FOOK**)
in the presence of:)



Name of witness:

SIGNED SEALED and DELIVERED)
by **TAN, CHYE BOON**)
in the presence of:)



Name of witness:

SIGNED SEALED and DELIVERED)
by **TAN, HAI BOON**)
in the presence of:)




Name of witness:

SIGNED SEALED and DELIVERED)
by **STONA, ANDREA**)
in the presence of:)



Name of witness:

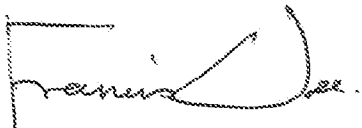
SIGNED SEALED and DELIVERED)
by **CHAN, SOON THIAM**)
in the presence of:)



Name of witness:

Assignee

THE COMMON SEAL of)
OPULENT ELECTRONICS)
INTERNATIONAL PTE LTD)
was hereunto affixed in the presence of)



Director



Director/Secretary