PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5298788

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| CHIH-HSIEN TSAI | 12/26/2018 |
| YI-HSUANG WENG | 12/26/2018 |

RECEIVING PARTY DATA

| Name: | CORETRONIC CORPORATION |
|-----------------|--|
| Street Address: | NO. 11, LI-HSIN RD., HSINCHU SCIENCE PARK, |
| City: | HSIN-CHU |
| State/Country: | TAIWAN |
| Postal Code: | 300 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16232077 |

CORRESPONDENCE DATA

Fax Number: (949)391-4699

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.

Email: USA@JCIPGROUP.COM

Correspondent Name: JCIPRNET

Address Line 1: P.O. BOX 600 TAIPEI GUTING Address Line 4: TAIPEI CITY, TAIWAN 10099

| ATTORNEY DOCKET NUMBER: | 74572-US-PA |
|-------------------------|---------------|
| NAME OF SUBMITTER: | BELINDA LEE |
| SIGNATURE: | /Belinda Lee/ |
| DATE SIGNED: | 12/26/2018 |

Total Attachments: 2

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PATENT 505252007 REEL: 047850 FRAME: 0912

ASSIGNMENT

WHEREAS,

1.Chih-Hsien Tsai

2.Yi-Hsuang Weng

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: PROJECTION APPARATUS AND LIGHT SOURCE APPARATUS

[] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS, 1. Coretronic Corporation

of No. 11, Li-Hsin Rd., Hsinchu Science Park, Hsin-Chu 300, Taiwan, R.O.C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have assigned and transferred, and by these presents does/do assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assigner further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

RECORDED: 12/26/2018

ASSIGNMENT CONTINUED

| IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their hame(s) on the | aate(s) |
|---|---------|
| indicated. | |
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| | |
| | |

Signature: Chih-Hsien Tsai DEC 2 6 2018

Sole or First Joint Inventor: Chih-Hsien Tsai

Signature: Yi- Hang Weng Date: DEC 26 2018

Second Joint Inventor (if any): Yi-Hsuang Weng

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PATENT REEL: 047850 FRAME: 0914