PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Mathew K. MATHAI | 09/09/2009 |
| Mark L. STORCH | 09/09/2009 |
| Glenn THOMPSON | 09/09/2009 |
| Eli J. SCOTT | 09/10/2009 |
| Lisa PATTISON | 10/02/2009 |
| Troy D. HAMMOND | 09/09/2009 |

RECEIVING PARTY DATA

| Name: | PLEXTRONICS, INC. | | |
|-----------------|-----------------------|--|--|
| Street Address: | 2180 William Pitt Way | | |
| City: | Pittsburgh | | |
| State/Country: | PENNSYLVANIA | | |
| Postal Code: | 15238 | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12543442 |

CORRESPONDENCE DATA

Fax Number: (202)672-5399

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

202-672-5300 Phone: Email: srutt@foley.com Correspondent Name: J. Steven Rutt Address Line 1: Foley & Lardner LLP

3000 K Street, N.W., Suite 600 Address Line 2:

Address Line 4: Washington, DISTRICT OF COLUMBIA 20007

ATTORNEY DOCKET NUMBER: 043419-0357

REEL: 023485 FRAME: 0923

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PATENT

| NAME OF SUBMITTER: | J. Steven Rutt |
|------------------------------|----------------|
| Total Attachments: 12 | |
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PATENT REEL: 023485 FRAME: 0924

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Plextronics, Inc. 2180 William Pitt Way Pittsburgh, PA 15238

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

Organic Light Emitting Diode Products

| check one | [] executed concurrently herewith, |
|-----------|---|
| | [] executed on |
| • | [X] Serial No. 12/543,442 Filed 8/18/2009 |

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

PATENT REEL: 023485 FRAME: 0925

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

| Executed this qt day of September, 2 | . <u>P0</u> 0 |
|--|--|
| State of <u>Personal Tanen</u> SS: County of <u>Alterhany</u> On this <u>944</u> day of <u>Sendand</u> 2007, before who is personally known to me to be the same person whose name is subsc | Mathew Mathai me, a notary public in and for said county, anneared Mathew Mathai. |
| who is personally known to me to be the same person whose name is subsche/she signed, sealed, and delivered the said instrument as his/her free and | voluntary act for the uses and purposes therein set forth. |
| NOTARIAL SEAL SARA J GRAYSON NOTORY PUBLIC NEW KENSINGFON CITY, WESTMORELAND COUNTY My Commission Expires Jun 12, 2010 | My Commission Expires: 2010 |
| (Seal) | |
| Executed thisday of _ | September, 2004. |
| | Down Shut |
| County of Allesterny 55: | Mark Storch |
| who is personally known to me to be the same person whose name is subsone/she signed, sealed, and delivered the said instrument as his/her free and | cribed to the foregoing instrument, and he/she acknowledged that |
| NOTARIAL SEAL SARA J GRAYSON Notary Public NEWKENSINGTON CITY, WESTMORELAND COUNTY My Commission Expires Jun 12, 2010 | My Commission Expires: June 12, 2010 |

| Executed this 9th day of Systembur, 20 0 | <u>1</u> . |
|--|--|
| _ | Jem I Shr |
| State of Pine and I would be | Glenn Thompson |
| State of <u>Lensandounae</u> ss: County of <u>Allianounae</u> On this <u>911</u> day of <u>Jostander</u> , 20 <u>09</u> before me, a Thompson, who is personally known to me to be the same person whose name is acknowledged that he/she signed, sealed, and delivered the said instrument as his forth. | s advacting to the foregoing manufactic and fic/site |
| NOTARIAI. SEAL SARA J GRAYSON Notary Public NEW KENNGKONCHY, WESTMORELAND COUNTY My Commission Expires Jun 12, 2010 | Sara Mary Public Public |
| (Seal) | My Commission Expires: June 12, 2018 |
| Executed this 10 day of September, 2004 | <u> </u> |
| State of <u>ferments</u> 55: County of <u>Allushame</u> On this <u>forh</u> day of <u>Sentanter</u> , 20 117, before me, a is personally known to me to be the same person whose name is subscribed to the | ie foregoing instrument, and he/she acknowledged that he/she |
| NOTARIAL SEAL SARA J GRAYSON NOTARIAL SEAL SA | Notary Public My Commission Expires: Street 12, 2010 |

| Executed this | s day of | , 20 |
|------------------------------|------------------------------------|--|
| | | |
| State of | | Lisa Pattison |
| County of | ss:) | |
| who is personally known to a | me to be the same person whose nar | , before me, a notary public in and for said county, appeared Lisa Pattison, me is subscribed to the foregoing instrument, and he/she acknowledged that er free and voluntary act for the uses and purposes therein set forth. |
| | | |
| | | Notary Public |
| (Scal) | | My Commission Expires: |

Executed this 9 day of September, 20 09.

Troy D. Hammond

State of Allocan and September, 20 09, before me, a notary public in and for said county, appeared Troy D. Hammond, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

NOTARIAL SEAL
SARA J GRAYSON
Notary Public
NEWKENSINGTON CITY, WESTMORELAND COUNTY
My Commission Expires Jun 12, 2010

(Seal)

Sava O Hrann Mitary Public

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Plextronics, Inc. 2180 William Pitt Way Pittsburgh, PA 15238

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

Organic Light Emitting Diode Products

| check one | [] executed concurre | ently herewith, |
|-----------|-------------------------|---------------------|
| | [] executed on | |
| | [X] Serial No. 12/543 | 442 Filed 8/18/2009 |

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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Page 1 of 6

PATENT REEL: 023485 FRAME: 0931

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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| Executed this | day of | , 20 | |
|--|-----------------------------|---|--|
| | | | |
| State of | ١ | | Mathew Mathai |
| County of |)) | | |
| On this day who is personally known to me he/she signed, sealed, and deliv | of | , 20, before me, a no se name is subscribed to t his/her free and voluntary | otary public in and for said county, appeared Mathew Mathai, the foregoing instrument, and he/she acknowledged that y act for the uses and purposes therein set forth. |
| | | | Notary Public |
| (Seal) | | | My Commission Expires: |
| Executed this | | day of | , 20 |
| State of | 55: | | Mark Storch |
| who is personally known to me | ofto be the same person who | se name is subscribed to t | otary public in and for said county, appeared Mark Storch, the foregoing instrument, and he/she acknowledged that y act for the uses and purposes therein set forth. |
| | | | Notary Public |
| (Seal) | | | My Commission Expires: |

Page 3 of 6

| Executed this | day of | , 20 | |
|--|---|---|---|
| | | | |
| Ctata of | , | | Glenn Thompson |
| State of | cc. | | |
| County of | | | |
| On this day of Thompson, who is personally know acknowledged that he/she signed, forth. | wn to me to be the san senled, and delivered t | , 20, before me, a nota ne person whose name is subs the said instrument as his/her | rry public in and for said county, appeared Glenn cribed to the foregoing instrument, and he/she free and voluntary act for the uses and purposes therein se |
| | | | Notary Public |
| (Seal) | | | My Commission Expires: |
| Executed this | day of | , 20 | |
| | | - | Eli J. Scott |
| State of | SS: | | Eli J. Scott |
| On this day of is personally known to me to be the signed, sealed, and delivered the signed. | e same person whose i aid instrument as his/h | , before me, a nota name is subscribed to the fore ner free and voluntary act for | ary public in and for said county, appeared Eli J. Scott, who egoing instrument, and he/she acknowledged that he/she the uses and purposes therein set forth. |
| | | | Notary Public |
| | | | • ****** |
| (Seal) | | | My Commission Expires: |

My Commission Expires:

Executed this 2 day of Ochber, 2009. On this day of 0 to be 2009, before me, a notary public in and for said county, appeared Lisa Pattison, satisfactorily proven to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, scaled, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth. Official Seal State of Wast Virginia Notary Public Tonya L Myors
Morganiown WV 26508
My Commission Expires August 7, 2016 8.7.2016

(Seal)

| Executed this | day of | , 20 |
|--|---|---|
| State of | | Troy D. Hammond |
| County of |)) | |
| On this da Hammond, who is personally acknowledged that he/she sig forth. | y of, 20 known to me to be the same person ned, sealed, and delivered the said in | _, before me, a notary public in and for said county, appeared Troy D, whose name is subscribed to the foregoing instrument, and he/she astrument as his/her free and voluntary act for the uses and purposes therein set |
| | | |
| | | Notary Public |
| (Seal) | | My Commission Expires: |