PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3242950

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.	02/12/2015

RECEIVING PARTY DATA

Name:	JUIN JEI LIOU	
Street Address:	1933 AYRSHIER PLACE	
City:	OVIEDO	
State/Country:	FLORIDA	
Postal Code:	32765	
Name:	ZHIXIN WANG	
Street Address:	4747 N. GOLDENROD ROAD	
Internal Address:	APT. D	
City:	WINTER PARK	
State/Country:	FLORIDA	
Postal Code:	32792	
Name:	RUEI-CHENG SUN	
Street Address:	NO. 32, SECTION 3, WENHUA STREET	
Internal Address:	GUIREN DISTRICT	
City:	TAICHUNG CITY	
State/Country:	TAIWAN	
Postal Code:	711,40724	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14621766

CORRESPONDENCE DATA

Fax Number: (781)401-9966

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.

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Correspondent Name: DALY, CROWLEY, MOFFORD & DURKEE, LLP

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PATENT

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Address Line 4: CANTON, MASSACHUSETTS 02021-2714

ATTORNEY DOCKET NUMBER: ALLEG-518AUS

NAME OF SUBMITTER: ANTHONY T. MOOSEY

SIGNATURE: /Anthony T. Moosey/

DATE SIGNED: 02/26/2015

Total Attachments: 9

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AGREEMENT FOR THE ASSIGNMENT OF PATENT RIGHTS

This Agreement is entered into as of February 11th, 2015 (the "Effective Date") between University Of Central Florida Research Foundation, Inc., (hereinafter "UCFRF"), a Florida 501(c)(3) not for profit corporation, direct support organization, and instrumentality of the University of Central Florida (UCF), a member of the Florida state university system, organized under the laws of Florida, having an office at 12201 Research Parkway, Suite 501, Orlando, Florida 32826-3246 and Dr. Juin Jei Liou ("Inventor") having a residential address at 1933 Ayrshier Place, Oviedo FL 32765, USA.

BACKGROUND

Inventor has, with co-inventors, conceived and disclosed to UCF an invention entitled "Direct Connected Silicon Controlled Rectifier (SCR) Having Internal Trigger," identified by the UCF's Office of Technology Transfer as File No. 32877 ("Invention"). The Invention is the subject of the U.S. Patent Application Serial Number 61/940,586.

Inventor acknowledges that, as confirmed in Inventor's assignment of rights to UCF's designee, UCFRF, the Invention is the property of UCFRF; that UCFRF has notified Inventor of its desire to cease involvement in the patenting or commercialization of the Invention; and that Inventor has requested return of his rights in and to the Invention.

THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

- 1. Subject to the terms of this Agreement, the UCFRF hereby agrees to assign to Inventor UCFRF's entire right, title and interest in the ownership rights to the Invention that UCFRF received via the Inventor Transfer, subject to the UCFRF retention of an irrevocable, non-exclusive, non-transferable, royalty-free license to use and practice the Invention for educational and research purposes of UCF and for the governmental purposes of the State of Florida.
- 2. Other than the Invention, as defined, nothing in this Agreement shall be construed as an assignment or transfer of rights to patentable inventions or other intellectual property in which UCFRF may have an interest, whether already existing or as may be developed in the future. The foregoing shall apply regardless of whether any patent right might be required as background rights to practice another patent right. Nothing in this Agreement shall be construed as an assignment of rights that the UCFRF does not possess or own, such as the rights resulting from inventors that are not UCF employees.
- 3. The Inventor shall not use, or allow others to use, the name or trademarks of UCF/UCFRF, including in connection with marketing the Invention, without the prior written permission of an authorized official of UCF, which permission may be withheld at UCF's sole discretion. Notwithstanding, Inventor may, without permission, make the factual statement that the Invention are the result of research performed at UCF.
- 4. UCFRF AND UCF MAKE NO WARRANTIES WHATSOEVER WITH RESPECT TO THE INVENTION, EXPRESS OR IMPLIED, AND HEREBY DISCLAIMS ANY WARRANTIES OF TITLE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Without limiting any of the foregoing, UCFRF and UCF make no warranty that the practice of the patent does not or will not infringe any patent or other proprietary right of third parties or that a valid or enforceable patent will issue.
- 5. In no event shall the UCF or UCFRF be liable for any loss, claim, damage, or liability whatsoever, that may arise from or in connection with use of the Invention.

- 6. Inventor warrants and represents that (a) a complete disclosure of the Invention has been made to UCF's Office of Technology Transfer and (b) any outside sponsorship under which the Invention may have been created or developed has been clearly and correctly identified as part of such disclosure.
- 7. If Inventor fails to comply with the terms and conditions set forth in this Agreement, Inventor's obligations under this Agreement shall remain in effect and the UCFRF shall have all other rights at law or equity to enforce such compliance.
- 8. This Agreement shall be binding on and inure to the benefit of the parties hereto and their respective heirs, beneficiaries, and assigns.
- 9. No party shall be deemed to be an agent of any other party in connection with the exercise of any rights hereunder, and neither shall have any right or authority to assume or create any obligation or responsibility on behalf of the other.
- 10. In the event any term, provision, or covenant of this Agreement shall be determined by a court of competent jurisdiction to be invalid, illegal, or unenforceable, that term will be limited or deleted, but only to the extent necessary to remove such invalidity, illegality, or unenforceability, and the remaining terms, provisions, or covenants shall not in any way be affected or impaired thereby.
- 11. UCFRF and Inventor agree that this Agreement sets forth their entire understanding concerning the subject matter hereof.

ACCEPTED AND AGREED TO:

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	y and	ву , 224
Name: <u>Juin Jei Liou</u> Name: <u>Thomas P. O'Neal,</u> Ph.D.	lame: Juin Jei Liou	
Date Fdb. 11, 2015 Title: Vice President Date Date	vate FB, 11, 2015	

Reviewed by OTT: 12/12/15

ASSIGNMENT OF PATENT RIGHTS

WHEREAS, University Of Central Florida Research Foundation, Inc., (hereinafter "UCFRF"), is a Florida 501(c)(3) not for profit corporation, direct support organization, and instrumentality of the University of Central Florida (UCF), a member of the Florida state university system, organized under the laws of Florida, having an office at 12201 Research Parkway, Suite 501, Orlando, Florida 32826-3246;

WHEREAS, Dr. Juin Jei Liou ("Inventor") having a residential address at 1933 Ayrshier Place, Oviedo FL 32765, USA, conceived and disclosed to UCF an invention entitled "Direct Connected Silicon Controlled Rectifier (SCR) Having Internal Trigger," identified by UCF's Office of Technology Transfer as File No. 32877 ("Invention"), and the Invention is the subject of the U.S. Patent Application Serial Number 61/940,586;

WHEREAS, Inventor acknowledges that pursuant to UCF Regulation 2.029, and as confirmed in Inventor's assignment of rights to UCF's designee, UCFRF, dated January 21, 2014, ("Inventor Transfer"), the Invention is the property of the UCFRF; and

WHEREAS, UCFRF has elected to withdraw from further involvement in the patenting or commercialization of Invention, and having notified Inventor accordingly, upon Inventor's request, and with recognition and understanding that rights are similarly being returned to each co-inventor of the Invention, UCFRF desires to return Inventor's rights to Inventor, and to therefore grant the ownership interest in the Invention UCFRF received in the Inventor Transfer back to the Inventor,

THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have assigned and transferred, and by these presents do assign and transfer unto said Dr. Juin Jei Liou, the full right to the Invention that was received from Dr. Liou in the Inventor Transfer, and in the United States and its territorial possessions and in all foreign countries and similar right to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Dr. Juin Jei Liou, as co-inventor, with all rights attendant thereto.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written hereinbelow:

UCFRF:

Ву <u>Д</u>

Name: Thomas P. O'Neal, Ph.D.

Title: Vice President

Date_____2/12/15

Approved as to Form and Legality

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Reviewed by OTT: 🔌 1241

Notary:

DHANKUMARI JAGGERNAUTH
NOTARY PUBLIC
STATE OF FLORIDA
Comm# FF067147
Expires 4/22/2018

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AGREEMENT FOR THE ASSIGNMENT OF PATENT RIGHTS

This Agreement is entered into as of February 11th, 2015 (the "Effective Date") between University Of Central Florida Research Foundation, Inc., (hereinafter "UCFRF"), a Florida 501(c)(3) not for profit corporation, direct support organization, and instrumentality of the University of Central Florida (UCF), a member of the Florida state university system, organized under the laws of Florida, having an office at 12201 Research Parkway, Suite 501, Orlando, Florida 32826-3246 and Zhixin Wang ("Inventor") having a residential address at 4.747N Goldenrod Rd, Apt D, Winter Park, FL 32792, USA.

BACKGROUND

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Inventor has, with co-inventors, conceived and disclosed to UCF an invention entitled "Direct Connected Silicon Controlled Rectifier (SCR) Having Internal Trigger," identified by the UCF's Office of Technology Transfer as File No. 32877 ("Invention"). The Invention is the subject of the U.S. Patent Application Serial Number 61/940,586.

Inventor acknowledges that, as confirmed in Inventor's assignment of rights to UCF's designee, UCFRF, the Invention is the property of UCFRF; that UCFRF has notified Inventor of its desire to cease involvement in the patenting or commercialization of the Invention; and that Inventor has requested return of his rights in and to the Invention.

THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

- 1. Subject to the terms of this Agreement, the UCFRF hereby agrees to assign to Inventor UCFRF's entire right, title and interest in the ownership rights to the Invention that UCFRF received via the Inventor Transfer, subject to the UCFRF retention of an irrevocable, non-exclusive, non-transferable, royalty-free license to use and practice the Invention for educational and research purposes of UCF and for the governmental purposes of the State of Florida.
- 2. Other than the Invention, as defined, nothing in this Agreement shall be construed as an assignment or transfer of rights to patentable inventions or other intellectual property in which UCFRF may have an interest, whether already existing or as may be developed in the future. The foregoing shall apply regardless of whether any patent right might be required as background rights to practice another patent right. Nothing in this Agreement shall be construed as an assignment of rights that the UCFRF does not possess or own, such as the rights resulting from inventors that are not UCF employees.
- 3. The Inventor shall not use, or allow others to use, the name or trademarks of UCF/UCFRF, including in connection with marketing the Invention, without the prior written permission of an authorized official of UCF, which permission may be withheld at UCF's sole discretion. Notwithstanding, Inventor may, without permission, make the factual statement that the Invention are the result of research performed at UCF.
- 4. UCFRF AND UCF MAKE NO WARRANTIES WHATSOEVER WITH RESPECT TO THE INVENTION, EXPRESS OR IMPLIED, AND HEREBY DISCLAIMS ANY WARRANTIES OF TITLE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Without limiting any of the foregoing, UCFRF and UCF make no warranty that the practice of the patent does not or will not infringe any patent or other proprietary right of third parties or that a valid or enforceable patent will issue.
- 5. In no event shall the UCF or UCFRF be liable for any loss, claim, damage, or liability whatsoever, that may arise from or in connection with use of the Invention.

- 6. Inventor warrants and represents that (a) a complete disclosure of the Invention has been made to UCF's Office of Technology Transfer and (b) any outside sponsorship under which the Invention may have been created or developed has been clearly and correctly identified as part of such disclosure.
- 7. If Inventor fails to comply with the terms and conditions set forth in this Agreement, Inventor's obligations under this Agreement shall remain in effect and the UCFRF shall have all other rights at law or equity to enforce such compliance.
- 8. This Agreement shall be binding on and inure to the benefit of the parties hereto and their respective heirs, beneficiaries, and assigns.
- 9. No party shall be deemed to be an agent of any other party in connection with the exercise of any rights hereunder, and neither shall have any right or authority to assume or create any obligation or responsibility on behalf of the other.
- 10. In the event any term, provision, or covenant of this Agreement shall be determined by a court of competent jurisdiction to be invalid, illegal, or unenforceable, that term will be limited or deleted, but only to the extent necessary to remove such invalidity, illegality, or unenforceability, and the remaining terms, provisions, or covenants shall not in any way be affected or impaired thereby.
- 11. UCFRF and Inventor agree that this Agreement sets forth their entire understanding concerning the subject matter hereof.

ACCEPTED AND AGREED TO:

INVENTOR:	FOR UCFRF:
By Zi Mro	Ву
Name: Zhixin Wang	Name: Thomas P. O'Neal, Ph.D.
Date 02/11/2015	Title: Vice President Date 3 12 15

Approved as to Form and Legality

Reviewed by OTT: 12/13

ASSIGNMENT OF PATENT RIGHTS

WHEREAS, University Of Central Florida Research Foundation, Inc., (hereinafter "UCFRF"), is a Florida 501(c)(3) not for profit corporation, direct support organization, and instrumentality of the University of Central Florida (UCF), a member of the Florida state university system, organized under the laws of Florida, having an office at 12201 Research Parkway, Suite 501, Orlando, Florida 32826-3246;

WHEREAS, Zhixin Wang ("Inventor") having a residential address at 4747N Goldenrod Rd, Apt D, Winter Park, FL 32792, USA, conceived and disclosed to UCF an invention entitled "Direct Connected Silicon Controlled Rectifier (SCR) Having Internal Trigger," identified by UCF's Office of Technology Transfer as File No. 32877 ("Invention"), and the Invention is the subject of the U.S. Patent Application Serial Number 61/940,586;

WHEREAS, Inventor acknowledges that pursuant to UCF Regulation 2.029, and as confirmed in Inventor's assignment of rights to UCF's designee, UCFRF, dated January 21, 2014, ("Inventor Transfer"), the Invention is the property of the UCFRF; and

WHEREAS, UCFRF has elected to withdraw from further involvement in the patenting or commercialization of Invention, and having notified Inventor accordingly, upon Inventor's request, and with recognition and understanding that rights are similarly being returned to each co-inventor of the Invention, UCFRF desires to return Inventor's rights to Inventor, and to therefore grant the ownership interest in the Invention UCFRF received in the Inventor Transfer back to the Inventor.

THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have assigned and transferred, and by these presents do assign and transfer unto said Zhixin Wang, the full right to the Invention that was received from Zhixin Wang in the Inventor Transfer, and in the United States and its territorial possessions and in all foreign countries and similar right to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Zhixin Wang, as co-inventor, with all rights attendant thereto.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written hereinbelow:

UCFRF:

Name: Thomas P. O'Neal, Ph.D.

Title: Vice President

Date 2/12/15

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Reviewed by OTT: 🔼 🗘

Notary:

DHANKUMARI JAGGERNAUTI
NOTARY PUBLIC
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Comm# FF087147
Expires 4/22/2018

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BACKGROUND

Inventor has, with co-inventors, conceived and disclosed to UCF an invention entitled "Direct Connected Silicon Controlled Rectifier (SCR) Having Internal Trigger," identified by the UCF's Office of Technology Transfer as File No. 32877 ("Invention"). The Invention is the subject of the U.S. Patent Application Serial Number 61/940,586.

Inventor acknowledges that, as confirmed in Inventor's assignment of rights to UCF's designee, UCFRF, the Invention is the property of UCFRF; that UCFRF has notified Inventor of its desire to cease involvement in the patenting or commercialization of the Invention; and that Inventor has requested return of his rights in and to the Invention.

THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

- 1. Subject to the terms of this Agreement, the UCFRF hereby agrees to assign to Inventor UCFRF's entire right, title and interest in the ownership rights to the Invention that UCFRF received via the Inventor Transfer, subject to the UCFRF retention of an irrevocable, non-exclusive, non-transferable, royalty-free license to use and practice the Invention for educational and research purposes of UCF and for the governmental purposes of the State of Florida.
- 2. Other than the Invention, as defined, nothing in this Agreement shall be construed as an assignment or transfer of rights to patentable inventions or other intellectual property in which UCFRF may have an interest, whether already existing or as may be developed in the future. The foregoing shall apply regardless of whether any patent right might be required as background rights to practice another patent right. Nothing in this Agreement shall be construed as an assignment of rights that the UCFRF does not possess or own, such as the rights resulting from inventors that are not UCF employees.
- 3. The Inventor shall not use, or allow others to use, the name or trademarks of UCF/UCFRF, including in connection with marketing the Invention, without the prior written permission of an authorized official of UCF, which permission may be withheld at UCF's sole discretion. Notwithstanding, Inventor may, without permission, make the factual statement that the Invention are the result of research performed at UCF.
- 4. UCFRF AND UCF MAKE NO WARRANTIES WHATSOEVER WITH RESPECT TO THE INVENTION, EXPRESS OR IMPLIED, AND HEREBY DISCLAIMS ANY WARRANTIES OF TITLE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Without limiting any of the foregoing, UCFRF and UCF make no warranty that the practice of the patent does not or will not infringe any patent or other proprietary right of third parties or that a valid or enforceable patent will issue.
- 5. In no event shall the UCF or UCFRF be liable for any loss, claim, damage, or liability whatsoever, that may arise from or in connection with use of the Invention.

- Inventor warrants and represents that (a) a complete disclosure of the Invention has been made to UCF's Office of Technology Transfer and (b) any outside sponsorship under which the Invention may have been created or developed has been clearly and correctly identified as part of such disclosure.
- If Inventor fails to comply with the terms and conditions set forth in this Agreement, Inventor's obligations under this Agreement shall remain in effect and the UCFRF shall have all other rights at law or equity to enforce such compliance.
- This Agreement shall be binding on and inure to the benefit of the parties hereto and their respective heirs, beneficiaries, and assigns.
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- UCFRF and Inventor agree that this Agreement sets forth their entire understanding concerning the subject matter hereof.

ACCEPTED AND AGREED TO:

INVENTOR:	FOR UCFRF:
By Ruei Chong Sun	ву (
Name: Ruci-Cheng Sun Date Feb /2 , 22/5	Name: Thomas P. O'Neal, Ph.D. Title: Vice President Date
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	Appropriate to Fernand Fernand
	Peviewed by OTT: 1010//5

ASSIGNMENT OF PATENT RIGHTS

WHEREAS, University Of Central Florida Research Foundation, Inc., (hereinafter "UCFRF"), is a Florida 501(c)(3) not for profit corporation, direct support organization, and instrumentality of the University of Central Florida (UCF), a member of the Florida state university system, organized under the laws of Florida, having an office at 12201 Research Parkway, Suite 501, Orlando, Florida 32826-3246;

WHEREAS, Ruei-Cheng Sun ("Inventor") having a residential address at No. 32, Section 3, Wenhua Street, Guiren Dist., Taichung City 711,40724, R.O.C, conceived and disclosed to UCF an invention entitled "Direct Connected Silicon Controlled Rectifier (SCR) Having Internal Trigger," identified by UCF's Office of Technology Transfer as File No. 32877 ("Invention"), and the Invention is the subject of the U.S. Patent Application Serial Number 61/940,586;

WHEREAS, Inventor acknowledges, as confirmed in Inventor's assignment of rights to UCF's designee, UCFRF, dated February 17, 2014, ("Inventor Transfer"), the Invention is the property of the UCFRF; and

WHEREAS, UCFRF has elected to withdraw from further involvement in the patenting or commercialization of Invention, and having notified Inventor accordingly, upon Inventor's request, and with recognition and understanding that rights are similarly being returned to each co-inventor of the Invention, UCFRF desires to return Inventor's rights to Inventor, and to therefore grant the ownership interest in the Invention UCFRF received in the Inventor Transfer back to the Inventor,

THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have assigned and transferred, and by these presents do assign and transfer unto said Ruei-Cheng Sun, the full right to the Invention that was received from Ruei-Cheng Sun in the Inventor Transfer, and in the United States and its territorial possessions and in all foreign countries and similar right to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Ruei-Cheng Sun, as co-inventor, with all rights attendant thereto.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written hereinbelow:

UCFRF:

By

Approved as to Form and Legality

Approved as to Form and Lega

Notary:

OHANKUMARI JAGGERNAUTH
NOTARY PUBLIC
STATE OF FLORIDA
Comm# FF097147
Expires 4/22/2018

PATENT REEL: 035040 FRAME: 0974

RECORDED: 02/26/2015