#### 505336231 02/20/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5383012

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARTIN KIFFNER	07/03/2018
AMIR FEIZPOUR	02/18/2019
JOSHUA NUNN	02/18/2019

### **RECEIVING PARTY DATA**

Name:	OXFORD UNIVERSITY INNOVATION LIMITED
Street Address:	BUXTON COURT, 3 WEST WAY
City:	OXFORD
State/Country:	UNITED KINGDOM
Postal Code:	OX2 0JB

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16063845

### CORRESPONDENCE DATA

Fax Number: (877)812-1249

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.

9192382300 Phone:

Email: cciaburri@wt-ip.com

**Correspondent Name:** WITHROW & TERRANOVA PLLC Address Line 1: 106 PINEDALE SPRINGS WAY Address Line 4: CARY, NORTH CAROLINA 27511

ATTORNEY DOCKET NUMBER:	2066-043
NAME OF SUBMITTER:	VINCENT K. GUSTAFSON
SIGNATURE:	/vincent k. gustafson/
DATE SIGNED:	02/20/2019

## **Total Attachments: 9**

source=US Assignment - KIFFNER signed#page1.tif source=US Assignment - KIFFNER signed#page2.tif source=US Assignment - KIFFNER signed#page3.tif source=US Assignment FEIZPOUR signed#page1.tif

**PATENT REEL: 048379 FRAME: 0138** 505336231

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> PATENT REEL: 048379 FRAME: 0139

ASSIGNMENT

This Assignment made by Martin Kiffner, Amir Feizpour, and Joshua Nunn, each

residents of the United Kingdom and having a correspondence address of c/o Oxford University

Innovation, Buxton Court, 3 West Way, Oxford, OX2 0JB, United Kingdom;

WITNESSETH: That.

WHEREAS, I believe I am the original inventor or an original joint inventor of an

invention described in United Kingdom Patent Application No. 1522640.0, filed on December

22, 2015; in International Application No. PCT/GB2016/054000 filed on December 20, 2016;

and in U.S. Patent Application No. 16/063,845 filed on June 19, 2018 entitled

ELECTROMAGNETIC FREQUENCY CONVERTER (with the foregoing United Kingdom,

International, and U.S. patent applications being collectively referred to as the Applications); and

WHEREAS, OXFORD UNIVERSITY INNOVATION LIMITED, an entity duly

organized and existing under the laws of the United Kingdom and having a principal place of

business at Buxton Court, 3 West Way, Oxford, OX2 0JB, United Kingdom, hereinafter referred

to as Assignee, is desirous of acquiring the entire right, title and interest in and to said invention

as described in the Applications, and any and all Letters Patent which shall be granted therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and

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

sell, assign, transfer and set over unto the Assignee, its successors and assigns, the entire right,

title and interest in and to the invention and the Applications and in and to any and all foreign

patent applications filed on the invention based on and claiming priority to any one of more

applications of the Applications, and in and to any and all Letters Patent of the United States and

foreign countries which may hereafter be granted therefor, and in any and to any and all

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continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the Assignee, for its interest, and for its own use and behalf, and the use and behalf of its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, and I hereby authorize and empower the Assignee, its successors, assigns or nominees to file applications for any Letters Patent or other form of

protection on said invention in its own name or in the name of its successor, assignee, or

protection on outer invention in its own name of in the name of its successor, assignee, or

nominee, in any and all countries where it may desire to file such applications and where said

applications may be filed by another than the inventor;

And for the consideration aforesaid, I further covenant and agree that, at the time of the execution and delivery of these presents, I have the unencumbered right and authority to make this assignment, and I have not executed any prior assignment(s) or created any encumbrances relating to any one or more of the Applications mentioned above to any person or entity other than the Assignee identified herein;

And for the consideration aforesaid, I hereby covenant and agree to and with the Assignee, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue of the same without charge to the Assignee, its successors or assigns, but at its or their expense, and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts

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necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the Assignee, its successors, assignee, or nominee, without charge to the Assignee, its successor, assignee or nominee, but at its or their own expense;

I hereby request the Commissioner for Patents and other applicable patent authorities to issue the Letters Patent in accordance with this instrument;

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

03.07.2018	Marken Thefform	
Date	Martin Kiffner	
Date	Amir Feizpour	
	***************************************	
Date	Amir Feizpour	

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And for the consideration aforesaid, I further covenant and agree that, at the time of the execution and delivery of these presents, I have the unencumbered right and authority to make this assignment, and I have not executed any prior assignment(s) or created any encumbrances relating to any one or more of the Applications mentioned above to any person or entity other than the Assignee identified herein;

applications may be filed by another than the inventor;

And for the consideration aforesaid, I hereby covenant and agree to and with the Assignee, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue of the same without charge to the Assignee, its successors or assigns, but at its or their expense, and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts

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necessary or required to be done for procurement of Letters Patent, or other form of protection,

for said invention or inventions in countries foreign to the United States, and for further investing

or confirming the right and title therein to the Assignee, its successors, assignee, or nominee,

without charge to the Assignee, its successor, assignee or nominee, but at its or their own

expense;

I hereby request the Commissioner for Patents and other applicable patent authorities to

issue the Letters Patent in accordance with this instrument;

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Date	Martin Kiffner	
 Date	Joshua Nunn	
Date	Joshua Itumi	
Feb 18, 2019	Min no	
Date	Amir Feizpour	

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And for the consideration aforesaid, I further covenant and agree that, at the time of the execution and delivery of these presents, I have the unencumbered right and authority to make this assignment, and I have not executed any prior assignment(s) or created any encumbrances relating to any one or more of the Applications mentioned above to any person or entity other than the Assignee identified herein;

And for the consideration aforesaid, I hereby covenant and agree to and with the Assignee, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue of the same without charge to the Assignee, its successors or assigns, but at its or their expense, and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing

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2066-043 99 126170/03 or confirming the right and title therein to the Assignee, its successors, assignee, or nominee, without charge to the Assignee, its successor, assignee or nominee, but at its or their own expense;

I hereby request the Commissioner for Patents and other applicable patent authorities to issue the Letters Patent in accordance with this instrument;

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Date	Martin Kiffner	
18/2/19 Date	Joshua Munn Joshua Nunn	
Date	Amir Feizpour	

**RECORDED: 02/20/2019**