

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4011639

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANANDAROOP CHAKRABARTI	08/16/2016
HARISH KRISHNASWAMY	07/19/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
<b>Street Address:</b>	412 LOW MEMORIAL LIBRARY
<b>Internal Address:</b>	535 WEST 116TH STREET
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10027
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14873177
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)931-8521
<i>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.</i>	
<b>Phone:</b>	(212)509-8870
<b>Email:</b>	info@byrnepoh.com
<b>Correspondent Name:</b>	MATTHEW T. BYRNE
<b>Address Line 1:</b>	11 BROADWAY, SUITE 1115
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10004
<b>ATTORNEY DOCKET NUMBER:</b>	0315120.329-US2
<b>NAME OF SUBMITTER:</b>	MATTHEW T. BYRNE
<b>SIGNATURE:</b>	/Matthew T Byrne/
<b>DATE SIGNED:</b>	08/17/2016
<b>Total Attachments: 2</b>	
source=0315120_329_US2_Assignment#page1.tif	
source=0315120_329_US2_Assignment#page2.tif	

**ASSIGNMENT**

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "CIRCUITS AND METHODS FOR WIRELESS TRANSMITTERS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 10/01/2015 as U.S. Patent Application Number 14/873,177 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

App. No.: 14/873,177

Filed: 10/01/2015

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on this date Aug 16, 2016.  
I represent and warrant that I have full power to make this assignment and that the rights, titles,  
and interests assigned are not encumbered by any grant, license, or right heretofore given.

  
Anandaroop Chakrabarti (Aug 16, 2016)

---

Anandaroop Chakrabarti  
2323 NW 188<sup>th</sup> Ave, #2024  
Hillsboro, OR 97124

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on this date Jul 19, 2016.  
I represent and warrant that I have full power to make this assignment and that the rights, titles,  
and interests assigned are not encumbered by any grant, license, or right heretofore given.

  
Harish Krishnaswamy (Jul 19, 2016)

---

Harish Krishnaswamy  
601 West 115<sup>th</sup> Street, #65  
New York, NY 10025

{00108907-}

RECORDED: 08/17/2016

PATENT  
REEL: 039469 FRAME: 0497