# 503875544 06/16/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RITESH BHAT	11/08/2015
HARISH KRISHNASWAMY	04/21/2016

## **RECEIVING PARTY DATA**

Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
Street Address:	412 LOW MEMORIAL LIBRARY
Internal Address:	535 WEST 116TH STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10027

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

Property Type	Number
Application Number:	14639700

# **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	0315120.320-US2
NAME OF SUBMITTER:	MATTHEW T. BYRNE
SIGNATURE:	/Matthew T Byrne/
DATE SIGNED:	06/16/2016

## **Total Attachments: 2**

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PATENT 503875544 REEL: 038934 FRAME: 0823

App. No.: 14/639,700 Filed: 03/05/2015

## **ASSIGNMENT**

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "CIRCUITS FOR POWER-COMBINED POWER AMPLIFIER ARRAYS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 03/05/2015 as U.S. Patent Application Number 14/639,700 ("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.

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PATENT REEL: 038934 FRAME: 0824 App. No.: 14/639,700 Filed: 03/05/2015

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on this date Nov 8, 2015 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.

Ritesh Bhat 401 W. 118th Street, Apt. #21A New York, NY 10027

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on this date Apr 21, 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 Krishnasuany Harish Krishnaswany (Apr 21, 2016)

Harish Krishnaswamy 601 West 115th Street, Apt. 65 New York, NY 10025

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**PATENT** REEL: 038934 FRAME: 0825

RECORDED: 06/16/2016