

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3582858

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAMAL BOSE	10/05/2015
GARRETT VANHOY	10/05/2015
RECEIVING PARTY DATA	
Name:	THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA
Street Address:	TECH TRANSFER ARIZONA, 220 WEST SIXTH STREET
Internal Address:	4TH FLOOR
City:	TUCSON
State/Country:	ARIZONA
Postal Code:	85701
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	61950822
Application Number:	14644147
CORRESPONDENCE DATA	
Fax Number:	(650)391-1395
<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>	
Phone:	6503911380
Email:	ipdockets@lrrlaw.com
Correspondent Name:	LEWIS ROCA ROTHGERBER LLP
Address Line 1:	4300 BOHANNON DRIVE
Address Line 2:	SUITE 230
Address Line 4:	MENLO PARK, CALIFORNIA 94025
ATTORNEY DOCKET NUMBER:	UA-14-110P AND UA-14-110
NAME OF SUBMITTER:	CHERI HOULE
SIGNATURE:	/Cheri Houle/
DATE SIGNED:	10/22/2015
Total Attachments: 3	
source=UA14-110 Assignment - Bose & Vanhoy#page1.tif	

source=UA14-110 Assignment - Bose & Vanhoy#page2.tif

source=UA14-110 Assignment - Bose & Vanhoy#page3.tif

ASSIGNMENT OF PATENT RIGHTS

Assignors: Tamal Bose: the University of Arizona, 1230 E. Speedway, Tucson, AZ 85721
Garrett Vanhoy: the University of Arizona, 1230 E. Speedway, Tucson, AZ 85721

Assignee: The Arizona Board of Regents on Behalf of the University of Arizona, a body corporate duly formed in accordance with Title 15 of the Arizona Revised Statutes, with an address as follows: The University of Arizona, Tech Transfer Arizona, University Services Annex, 4th Floor, P.O. Box 210300A, Tucson, AZ 85721 (physically located at The University of Arizona, Tech Transfer Arizona, 220 West Sixth Street, 4th Floor, Tucson, AZ 85701).

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns, transfers, and conveys unto Assignee all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");

UA Ref. No.	Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
UA14-110	61/950,822	US	3/10/14	Cooperative Modulation Classification in Cognitive Radio Networks; - Tamal Bose
UA14-110	14/644,147	US	3/10/15	Cooperative Modulation of Classification in Cognitive Radio Networks; - Tamal Bose

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that directly or indirectly incorporate by reference the Patents;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances, including, without limitation, all rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding; and

(e) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories and all other rights arising out of such inventions, invention disclosures, and discoveries, and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories, including, for past, current, and future infringement.

Assignor confirms that, at the time the invention was made, Assignor was obligated to assign, and did assign, the invention to Assignee. Assignor represents, warrants and covenants that Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations

required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefor, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Assignor has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of Lewis Roca Rothgerber, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on the dates below.

ASSIGNOR:

By: *Tamal Bose*

Date: 10/5/2015

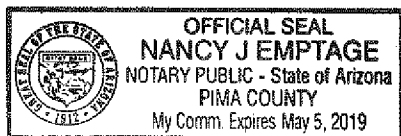
Printed Name: Tamal Bose

STATE OF _____)
) ss.
COUNTY OF _____)

On this 5th day of October, in the year of 2015, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR (Tamal Bose), known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

Nancy J Emptage
NOTARY PUBLIC or WITNESS
MY COMMISSION EXPIRES: May 5, 2019

SEAL



ASSIGNOR:

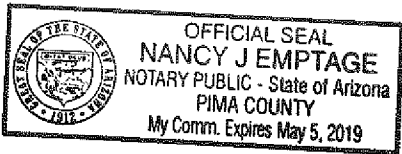
By: Garrett Vanhoy

Date: 10/15/15

Printed Name: Garrett Vanhoy

STATE OF _____)
) ss.
COUNTY OF _____)

On this 5th day of October, in the year of 2015, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR (Garrett Vanhoy), known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.



SEAL

Nancy J. Emptage
NOTARY PUBLIC or WITNESS
MY COMMISSION EXPIRES: May 5, 2019