

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anthony Ephremides</td> <td>02/14/2011</td> </tr> <tr> <td>Beiyu Rong</td> <td>02/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	Anthony Ephremides	02/14/2011	Beiyu Rong	02/14/2011						
Name	Execution Date												
Anthony Ephremides	02/14/2011												
Beiyu Rong	02/14/2011												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>University of Maryland, College Park</td> </tr> <tr> <td>Street Address:</td> <td>2130 Mitchell Bldg.</td> </tr> <tr> <td>Internal Address:</td> <td>Office of Technology Commercialization</td> </tr> <tr> <td>City:</td> <td>College Park</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>20742</td> </tr> </table>		Name:	University of Maryland, College Park	Street Address:	2130 Mitchell Bldg.	Internal Address:	Office of Technology Commercialization	City:	College Park	State/Country:	MARYLAND	Postal Code:	20742
Name:	University of Maryland, College Park												
Street Address:	2130 Mitchell Bldg.												
Internal Address:	Office of Technology Commercialization												
City:	College Park												
State/Country:	MARYLAND												
Postal Code:	20742												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12948520</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12948520								
Property Type	Number												
Application Number:	12948520												
CORRESPONDENCE DATA													
<p>Fax Number: 3013149502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3014052797 Email: fametz@umd.edu Correspondent Name: Felicia Metz Address Line 1: 2130 Mitchell Bldg. Address Line 2: Office of Technology Commercialization Address Line 4: College Park, MARYLAND 20742</p>													
ATTORNEY DOCKET NUMBER:	IS-2009-110												
NAME OF SUBMITTER:	Felicia Metz, Reg. #57,401												
Signature:	/Felicia A. Metz/												

Date:

08/13/2013

Total Attachments: 2

source=IS-2009-110 assignment Ephremides signed#page1.tif

source=IS-2009-110 assignment Rong#page1.tif

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between: **Anthony Ephremides** an individual having a principal residence at **5809 Nicholson Ln #1004 Rockville MD 20852** (hereinafter referred to as "Assignor"), and the University of Maryland, College Park (hereinafter referred to as "Assignee").

WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. **IS-2009-110** entitled

A New Method for Cooperative Transmission in Wireless Multi-Hop Networks

and further described in provisional patent application number 61/261867 filed Nov. 17, 2009 and application for Letters Patent in the United States serial number **12/948520** filed Nov. 17, 2010 entitled, **"METHOD AND SYSTEM FOR COOPERATIVE TRANSMISSION IN WIRELESS MULTI-HOP NETWORKS"** and for any and all application(s) for Letters Patent in the United States of America and throughout the world, and all divisional, continuation, continuation-in-part, substitutions, renewals, reissues, extensions and other applications pertaining to the foregoing which have or shall be filed in the United States, any foreign country and other jurisdictions (hereinafter collectively referred to as the "Works"); and

WHEREAS, Assignor agrees that, to the extent the Works are, by operation of law or otherwise, not deemed to be works made for hire within the meaning of the Copyright Act, (Title 17, U.S.C. Section 101, et seq.), Assignor agrees to assign all of his/her right, title and interest in and to the Works to Assignee, and further agrees to take such further actions and to execute such further instruments that Assignee might find reasonable or necessary to perfect or to evidence more clearly its right and claim to exclusive ownership of all of Assignor's worldwide intellectual property interests respecting the Works; and

WHEREAS, Assignor and Assignee now wish to perfect and to evidence more clearly the right and claim of Assignee to exclusive ownership of all of Assignor's intellectual property interests respecting the Works.

NOW, THEREFORE, in consideration of the rights granted to Assignor under the University of Maryland Policy on Intellectual Property, as approved by the Board of Regents of the University of Maryland, and as amended by them from time to time, and other good and valuable consideration furnished by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee, intending to be legally bound, do hereby covenant and agree as follows:

Section 1. Assignment of the Works.

Assignor hereby assigns, transfers and conveys to Assignee, its successors, assigns or other legal representatives, without the necessity of any consideration in addition to that recited herein, all of Assignor's right, title and interest in and to the Works. This assignment shall be operative with respect to all intellectual property rights in and to the Works, including (without limitation), (i) all copyrights in the United States and elsewhere, including all rights of registration, publication, renewal, rights to create derivative works and all other rights incident to copyright ownership, for the residue now unexpired of the present term of any and all such copyrights and any term thereafter granted during which the Works are entitled to copyright; (ii) all trade secrets, inventions, know-how, ideas and confidential information embodied or reflected in the Works, including any shop rights, for the longest period of protection accorded to such interest under applicable law; and (iii) all patent rights in the United States and elsewhere, including all rights of registration, publication, renewal, and all other works incident to copyright ownership, for the longest period of protection accorded to such interests under applicable law.

Section 2. University of Maryland Policy on Intellectual Property.

The assignment of rights perfected hereunder shall be governed by the University of Maryland Policy on Intellectual Property as approved by the Board of Regents of the University of Maryland, and as amended by them from time to time. Royalty income shall be allocated as set forth in this policy.

Section 3. Warranty.


Assignor warrants and covenants that he/she is an author or inventor of the Works and that as of the date of this Assignment, has taken no action respecting the Works which purports or attempts to transfer or encumber any right, title or interest in or to the Works to any other party; and covenants not to take such action in the future.

Section 4. Jurisdiction.

The validity, interpretation, and effect of this agreement shall be governed by the laws of the State of Maryland and of the United States of America. Any legal proceedings involving claims or disputes regarding this agreement shall be brought in the appropriate court in the State of Maryland.

WHEREAS, the parties have caused this Assignment to be executed on the dates below.

ASSIGNOR

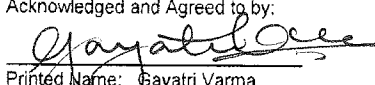
Agreed to by: 

Printed Name: Anthony Ephremides
Inventor

Date: 2-14-11

ASSIGNEE (University of Maryland)

Acknowledged and Agreed to by:


Printed Name: Gayatri Varma
Title: Executive Director

Date: February 15, 2011

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between: **Beiyu Rong** an individual having a principal residence at **3456 N. Hills Drive Austin TX 78731** (hereinafter referred to as "Assignor"), and the University of Maryland, College Park (hereinafter referred to as "Assignee").

WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. **IS-2009-110** entitled

A New Method for Cooperative Transmission in Wireless Multi-Hop Networks

and further described in provisional patent application number 61/261867 filed Nov. 17, 2009 and application for Letters Patent in the United States serial number **12/948520** filed Nov. 17, 2010 entitled, "**METHOD AND SYSTEM FOR COOPERATIVE TRANSMISSION IN WIRELESS MULTI-HOP NETWORKS**" and for any and all application(s) for Letters Patent in the United States of America and throughout the world, and all divisional, continuation, continuation-in-part, substitutions, renewals, reissues, extensions and other applications pertaining to the foregoing which have or shall be filed in the United States, any foreign country and other jurisdictions (hereinafter collectively referred to as the "Works"); and

WHEREAS, Assignor agrees that, to the extent the Works are, by operation of law or otherwise, not deemed to be works made for hire within the meaning of the Copyright Act, (Title 17, U.S.C. Section 101, et seq.), Assignor agrees to assign all of his/her right, title and interest in and to the Works to Assignee, and further agrees to take such further actions and to execute such further instruments that Assignee might find reasonable or necessary to perfect or to evidence more clearly its right and claim to exclusive ownership of all of Assignor's worldwide intellectual property interests respecting the Works; and

WHEREAS, Assignor and Assignee now wish to perfect and to evidence more clearly the right and claim of Assignee to exclusive ownership of all of Assignor's intellectual property interests respecting the Works.

NOW, THEREFORE, in consideration of the rights granted to Assignor under the University of Maryland Policy on Intellectual Property, as approved by the Board of Regents of the University of Maryland, and as amended by them from time to time, and other good and valuable consideration furnished by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee, intending to be legally bound, do hereby covenant and agree as follows:

Section 1. Assignment of the Works.

Assignor hereby assigns, transfers and conveys to Assignee, its successors, assigns or other legal representatives, without the necessity of any consideration in addition to that recited herein, all of Assignor's right, title and interest in and to the Works. This assignment shall be operative with respect to all intellectual property rights in and to the Works, including (without limitation), (i) all copyrights in the United States and elsewhere, including all rights of registration, publication, renewal, rights to create derivative works and all other rights incident to copyright ownership, for the residue now unexpired of the present term of any and all such copyrights and any term thereafter granted during which the Works are entitled to copyright; (ii) all trade secrets, inventions, know-how, ideas and confidential information embodied or reflected in the Works, including any shop rights, for the longest period of protection accorded to such interest under applicable law; and (iii) all patent rights in the United States and elsewhere, including all rights of registration, publication, renewal, and all other works incident to copyright ownership, for the longest period of protection accorded to such interests under applicable law.

Section 2. University of Maryland Policy on Intellectual Property.

The assignment of rights perfected hereunder shall be governed by the University of Maryland Policy on Intellectual Property as approved by the Board of Regents of the University of Maryland, and as amended by them from time to time. Royalty income shall be allocated as set forth in this policy.

Section 3. Warranty.

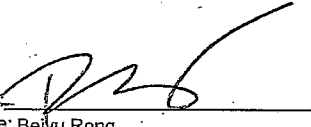
Assignor warrants and covenants that he/she is an author or inventor of the Works and that as of the date of this Assignment, has taken no action respecting the Works which purports or attempts to transfer or encumber any right, title or interest in or to the Works to any other party; and covenants not to take such action in the future.

Section 4. Jurisdiction.

The validity, interpretation, and effect of this agreement shall be governed by the laws of the State of Maryland and of the United States of America. Any legal proceedings involving claims or disputes regarding this agreement shall be brought in the appropriate court in the State of Maryland.

WHEREAS, the parties have caused this Assignment to be executed on the dates below.

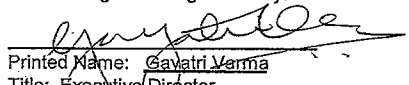
ASSIGNOR

Agreed to by: 

Printed Name: **Beiyu Rong**
Inventor

Date: **Feb 14, 2011**

ASSIGNEE (University of Maryland)

Acknowledged and Agreed to by: 

Printed Name: **Gayatri Verma**
Title: **Executive Director**

Date: **August 13, 2013**

PATENT

RECORDED: 08/13/2013

REEL: 030998 FRAME: 0243