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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Wipawee Sirlwongpairat
Zhu Han
K.J. Ray Liu

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 5-29-06; 5-30-06; 5-30-06

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: University of Maryland

Internal Address: _____

Street Address: 6200 Baltimore Avenue, Suite 300

City: College Park,

State: Maryland

Country: USA Zip: 20742-9520

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

11/443,040

☐ This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Morton J. Rosenberg

Internal Address: ROSENBERG, KLEIN & LEE

Street Address: 3458 Ellicott Center Drive, Suite 101

City: Ellicott City

State: Maryland Zip: 21043

Phone Number: 410-465-6678

Fax Number: 410-461-3067

Email Address: rkl@rklpatlaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

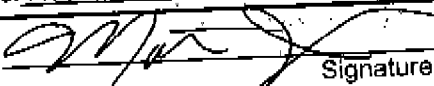
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9. Signature:



Signature

Morton J. Rosenberg

Name of Person Signing

6/6/2006

Date

Total number of pages including cover sheet, attachments, and documents: 2

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PATENT
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ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (Invention Title) METHOD AND SYSTEM FOR POWER CONTROLLED EFFECTIVE ALLOCATION OF SUB-BANDS IN ULTRA-WIDEBAND COMMUNICATION

The PATENT RIGHTS referred to in this agreement are:

(Check one) ☐ a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
☒ U.S. Patent Application Serial No. 11/443,040, filed 5/31/2006
☐ U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

(Check one) ☒ U.S. Patent rights only
☐ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of first assignor) WIPAWEE SIRIWONGPAIRAT
 (Address) 8603 34th Avenue, College Park, MD 20740

(Full name of second assignor, if any) ZHU HAN
 (Address) 8124 Prescott Drive, #204, Vienna, VA 22180

(Full name of third assignor, if any) K.J. RAY LIU
 (Address) 11421 Big Piney Way, Potomac, MD 20854

(Full name of fourth assignor, if any) _____
 (Address) _____

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) UNIVERSITY OF MARYLAND
 (Address of Assignee) 6200 Baltimore Ave., Suite 300
College Park, MD 20742-9520

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) _____
 (Address of Assignee) _____

The First ASSIGNEE is:

(Check one) ☐ an individual
☐ a partnership
☒ a Corporation of the State of Maryland (State or Country)

The Second ASSIGNEE is:

(Check one) ☐ an individual
☐ a partnership
☐ a Corporation of _____ (State or Country)

☐ Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE, their successors and assigns:

the full and exclusive right to the invention;
 an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

Wipawee Siriwongpairat
 (Signature of sole or first assignor) WIPAWEE SIRIWONGPAIRAT

05/29/06
 (Date)

Zhu Han
 (Signature of second assignor, if any) ZHU HAN

05/30/06
 (Date)

K.J. RAY LIU
 (Signature of third assignor, if any) K.J. RAY LIU

5/30/2006
 (Date)

 (Signature of fourth assignor, if any)

(Date)