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103402494

RDATION FORM COVER SHEET
PATENTS ONLY

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):

Jiun-Yo LAI (04/09/2007), Jen-Yuan HSU
(04/09/2007), Yung-Yih JIAN (04/09/2007), and
Pang-An TING (04/09/2007)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Industrial Technology Research Institute

Internal Address: _____

Street Address: _____

195 Chung Hsing Rd., Sec. 4, Chutung

City: Hsinchu

State: _____

Country: Taiwan ROC Zip: _____Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

Execution Date(s): in parentheses after inventor name

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

4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ 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: Joe McKinney Muncy
BIRCH, STEWART, KOLASCH & BIRCH,
LLPInternal Address: Atty. Dkt.: 0941-1685PUS2Street Address: 8110 Gatehouse Road
Suite 100 East
P.O. Box 747City: Falls ChurchState: VA Zip: 22040-0747Phone Number: (703) 205-8026Fax Number: (703) 205-8050Email Address: mailroom@bskb.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)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 02-2448
Authorized User Name Joe McKinney Muncy

9. Signature:

Signature

Joe McKinney Muncy - 32,334

Name of Person Signing

April 18, 2007

Date

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

2

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ASSIGNMENT

WHEREAS, Jiun-Yo LAI, Jen-Yuan HSU, Yung-Yih JIAN and Pang-An TING hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: FRACTIONAL CARRIER FREQUENCY OFFSET ESTIMATOR AND METHOD OF ESTIMATING FRACTIONAL CARRIER FREQUENCY OFFSET BETWEEN TRANSMITTER AND RECEIVER

Filed: 4/18/07

Serial No. NEW

Executed on: April 9, 2007; April 9, 2007; April 9, 2007 and April 9, 2007

WHEREAS, Industrial Technology Research Institute of 195 Chung Hsing Rd., Sec. 4, Chutung, Hsinchu, Taiwan, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Jiun-Yo Lai
Jiun-Yo LAI

April 9, 2007
Date:

Jen-Yuan Hsu
Jen-Yuan HSU

April 9, 2007
Date:

Yung-Yih Jian
Yung-Yih JIAN

April 9, 2007
Date:

Pang-An Ting
Pang-An TING

April 9, 2007
Date: