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9-21-04

22154 U.S. PTO
10/945046

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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)/Execution Date(s):

Kin-Lu WONG (08/26/2004), Chia-Lun TANG
(08/30/2004), and Saou-Wen SU (08/26/2004)

Execution Dates: in parentheses after inventor name

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, Republic of China Zip: _____

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

3. Nature of Conveyance:

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

4. Application or patent number(s):

A. Patent Application No.(s)

NEW

☒ 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,
LLP

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6. Total number of applications and patents involved:

1

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

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Enclosed

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None required (government interest not affecting title)

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Authorized User Name _____

9. Signature.

Signature

September 21, 2004

Date

Joe McKinney Muncy - 32,334

Name of Person Signing

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

2

KM/nl

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ASSIGNMENT

WHEREAS, Kin-Lu WONG, Chia-Lun TANG and Saou-Wen SU
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: OMNIDIRECTIONAL BROADBAND MONOPOLE ANTENNA
Filed: September 21, 2004 Serial No. NEW
Executed on: August 26, 2004; August 30, 2004; and August 26, 2004,
respectively.

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.

Kin-Lu Wong
Kin-Lu WONG

Aug. 26, 2004
Date:

Chia-Lun Tang
Chia-Lun TANG

Aug. 30, 2004
Date:

Saou-Wen Su
Saou-Wen SU

Aug. 26, 2004
Date:

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RECORDED: 09/21/2004

PATENT
REEL: 015818 FRAME: 0596