

02-10-2005

Docket No.: IT0112-US

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



102938628

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To the Honorable Commissioner of Patents

Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hung-Hsiang WANG

2. Name and address of receiving party(ies):

Name: **Industrial Technology Research Institute**

Address: **No. 195, Sec. 4, Chung Hsing Road**

City: **Chutung, Hsinchu**

State/Prov.: **Taiwan**

Country: **R.O.C.**

ZIP: **310**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: **January 26, 2005**

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **January 26, 2005**

Patent Application No.

Filing date

B. Patent No.(s)

02/07/2005 MBELETE1 00000040 11046766

01 FC:8021

40.00 OF

Additional numbers

☐ Yes ☒ No

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

Name: **Poh C. Chua**

Registration No. **44,615**

Address: **SHAW PITTMAN LLP**

1650 Tysons Boulevard

City: **McLean**

State/Prov.: **Virginia**

Country: **USA**

ZIP: **22102**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**

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☐ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Poh C. Chua

Name of Person Signing

Signature

February 1, 2005

Date

Total number of pages including cover sheet, attachments, and

5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

PATENT
REEL: 016235 FRAME: 0573

IT-0112 US

ASSIGNMENT

WHEREAS, HUNG-HSIANG WANG, residing at No.195, Sec. 4, Chung Hsing Rd.,
Chutung, Hsinchu, Taiwan 310, R.O.C.;

(hereinafter "Assignors") have invented certain new and useful improvements in

**METHOD AND APPARATUS FOR GUARD INTERVAL DETECTION
IN MULTI-CARRIER RECEIVER**

for a full description of which, reference is here made to an application for Letters Patent
of the United States of America

☒ Executed concurrently herewith

☐ Executed on

☐ Serial. No. , filed

in the U.S. Patent and Trademark Office and to U.S. provisional patent application(s)

☐ Serial. No. , filed

in the U.S. Patent and Trademark Office; and

WHEREAS, Industrial Technology Research Institute, a legal entity of Taiwan, the
Republic of China (R.O.C.), having its principal office and place of business at No.195, Sec. 4,
Chung Hsing Rd., Chutung, Hsinchu, Taiwan 310, R.O.C. (hereinafter "Assignee") is desirous of
acquiring the entire right, title, and interest in, to, and under said invention and application above
identified, and in, to, and under any Letters Patent that may be obtained for said invention,
together with all foreign rights corresponding thereto, as hereinafter more fully set forth.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good
and valuable and legally sufficient consideration, the receipt of which by each Assignor from
Assignee is hereby acknowledged, Assignors have agreed to sell, assign, and transfer and by

PATENT
REEL: 016235 FRAME: 0574

ASSIGNMENT**IT-0112 US**

these presents does hereby, sell, assign, and transfer unto Assignee the entire right, title and interest in, to, and under said invention and application above identified and Letters Patent of the United States of America that may be obtained in respect thereof; any corresponding applications for Letters Patent and Letters Patent therefor in all other areas of the world; and any reissues, extensions, substitutions, confirmations, divisions, and continuations of any of the foregoing (hereinafter "Invention Rights"), to have and to hold for the sole and exclusive use and benefit of Assignee forever.

Assignors hereby covenant and agree, for themselves and for their respective legal representatives, to assist and cooperate with Assignee in the preparation and prosecution of any applications included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any applications or Letters Patent included within the Invention Rights and further to execute and deliver to Assignee any and all additional papers that may be requested by Assignee for the purpose of implementing the terms of this ASSIGNMENT.

Assignors hereby authorize and empower Assignee to invoke and claim for any applications or Letters Patent included within the Invention Rights the benefit of any rights to which Assignors might be entitled under international law or under the laws of any particular country (such as, without limitation, the right of priority provided by the International Convention for the Protection of Industrial Property, as amended) and to invoke and claim said rights without further written or oral authorization from Assignors.

Assignors hereby consent that a copy of this ASSIGNMENT shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular country for any purpose and more particularly in proof of the right of Assignee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended.

ASSIGNMENT**IT-0112 US**

Assignors covenant and agree that this ASSIGNMENT and all of the terms hereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignors.

Assignors hereby authorize and request Assignee to fill in the following blanks specifying the United States Serial No. and filing date for said application above identified:

U.S. Serial No.: _____

Filed: _____

but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this ASSIGNMENT.

Assignors hereby authorize and request the Commissioner of Patents and the United States Patent and Trademark Office to issue Letters Patent to Assignee in accordance with the terms of this ASSIGNMENT.

ASSIGNMENT

IT-0112 US

SIGNATURE: Hung-Hsiang Wang
NAME: HUNG-HSIANG WANG

Date: Jan, 26, 2005