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COVER SHEET

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

Chorng-Ren Sheu, Meng-Chun Chang, Chia-Chi Huang and Yu-Jung Chang

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

Chutung

Hsinchu, Taiwan

City: State: ZIP:

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

3. Nature of conveyance:

- Assignment, Merger, Security Agreement, Change of Name, Other

Execution Date: Sep. 18, 2003

4. Application number(s) or patent number(s): 10833586

If this document is being filed together with a new application, the execution date of the application is: Sep. 18, 2003

A. Patent Application No.(s) for "Method And Apparatus For Synchronization Of The OFDM Systems"

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Jason Z. Lin

Internal Address:

Supreme Patent Services

Street Address: Post Office Box 2339

City: Saratoga State: CA ZIP: 95070

6. Total number of applications and patents involved: 1

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

- Enclosed, 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.

Jason Z. Lin Name of Person Signing

Signature

April 27, 2004 Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Director of the US Patent and Trademark Office, Mail Stop Assignment P.O. Box 1450, Alexandria, VA 22313-1450

04/30/2004 EHAILE1 00000053 10833586

FE:8021 40.00 DP

# ASSIGNMENT

WHEREAS, I/we, Chorng-Ren Sheu, Meng-Chun Chang, Chia-Chi Huang, Yu-Jung Chang, whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful improvements in Method and Apparatus for Synchronization of the OFDM Systems

( hereinafter referred to as the Invention) for which an application for United States Letters Patent was

- executed on even date herewith;
- executed on \_\_\_\_\_;
- filed on \_\_\_\_\_, Serial No. \_\_\_\_\_;
- filed as PCT International Application No. \_\_\_\_\_ on \_\_\_\_\_, designating The United States of America;
- Patent number \_\_\_\_\_, issue on \_\_\_\_\_.

WHEREAS, Industrial Technology Research Institute whose post office address is No. 195, Sec. 4, Chung Hsing Road, Chutung, Hsinchu, Taiwan, R.O.C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States:

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I/we, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Assignor: **Chorng-Ren Sheu**  
R.O.C.

Dated this 18th day of Sept., 2003 at Taiwan,

No. 4, Lane 167, Yu-Kuang Rd., Alley 11  
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Chorng-Ren Sheu

Signature

Assignor: **Meng-Chun Chang**  
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Dated this 18th day of Sept., 2003 at Taiwan, R.O.C.

Meng-Chun Chang

Signature

Assignor: **Chia-Chi Huang**  
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Taiwan, R.O.C.

Dated this 15th day of October, 2003 at Taiwan, R.O.C.

Chia-Chi Huang

Signature

CONTINUED ON PAGE 2

**ASSIGNMENT  
(SUPPLEMENTAL SHEET)**

**PAGE 2**

Title: Method and Apparatus for Synchronization of the OFDM Systems

Inventors: Chorng-Ren Sheu, Meng-Chun Chang, Chia-Chi Huang, Yu-Jung Chang

Assignor: **Yu-jung Chang**  
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Dated this *18<sup>th</sup>* day of *Sept.*, 2002 at Taiwan, R.O.C.

  
\_\_\_\_\_  
*Signature*

Assignor: Dated this            day of            , 2002 at Taiwan, R.O.C.

\_\_\_\_\_  
*Signature*

Assignor: Dated this            day of            , 2002 at Taiwan, R.O.C.

\_\_\_\_\_  
*Signature*