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02/15/01

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of Conveying Party(ies):
**Yeun-Renn TING
Erl-Huei LU
Pi-Chang KO
Hsien-Yu CHU**

Additional names of conveying parties attached.

2. Name and Address of Receiving Party(ies):
Name: **Chung-Shan Institute of Science and Technology**
Internal Address:
Street Address: **No. 481, Chung-Cheng Rd., Chia-An Tsun, Lung-Tan Shiang**
City, State, Zip: **Taoyuan County, Taiwan R.O.C.**

Additional name(s) and address(es) attached.

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: **January 12, 2001**

4. (A) Patent Application Number(s):

If this document is being filed together with a new application, the execution date of the application is: **01/12/01**

Additional Numbers Attached.

4. (B) Patent Number(s):
09783545

5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:
Name: **Eugene Mar**
Address: **Bacon & Thomas, PLLC
625 Slaters Lane Fourth Floor
Alexandria, VA 22314**

Total Number of Applications and Patents Involved: **1**

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

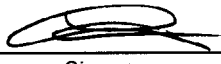
Enclosed
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8. Deposit Account Number: **02-0200**

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

Eugene Mar  February 15, 2001

Name of Person Signing Signature Date

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

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03 FC:581 40.00 PP

PATENT
REEL: 011558 FRAME: 0655

ASSIGNMENT

WHEREAS, I (we), **YEUN-RENN TING, ERL-HUEI LU, PI-CHANG KO, HSIEN-YU CHU**

whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in **CYCLIC BY STEP DECODING METHOD USED IN DISCRETE FOURIER TRANSFORM CYCLIC CODE OF A COMMUNICATION SYSTEM**

(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.:
 established by PCT International Patent Application No.: filed:
designating the United States of America

WHEREAS, **CHUNG-SHAN INSTITUTE OF SCIENCE AND TECHNOLOGY**

whose post office address is **No.481, Chung-Cheng Rd., Chia-An Tsun, Lung-Tan Shiang, Taoyuan County, 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 authorizes any member of the firm of **BACON & THOMAS** to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name YEUN-RENN TING	Address NO.20, Alley 30, Jian-Guo Rd., San-Lin Tsuen, Lung-Tan Shiang, Taoyuan County, Taiwan, R.O.C.
Where Signed	
Date Jan 12, 2001	Signature <i>Yeun-Renn Ting</i>
Witness (optional)	Witness (optional)
Print/Type Name YEUN-RENN TING	Print/Type Name
Signature	Signature

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Assignor Name ERL-HUEI LU	Address 6Fl., No.84, Ling- Shin Tsuen, Chang-Geng Chiu, Lin 33, Le-San Tsuen, Guei-San Shiang, Taoyuan County, Taiwan, R.O.C.
Where Signed	
Date Jan. 17, 2001	Signature <i>Er-Huei Lu</i>
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Print/Type Name ERL-HUEI LU	Print/Type Name
Signature	Signature
Assignor Name PI-CHANG KO	Address 4Fl., No.11, Alley 30, Lane 101, Wen-De Rd., Nei-Hu Chiu, Taipei City, Taiwan, R.O.C.
Where Signed	
Date Jan. 17, 2001	Signature <i>Pi-Chang Ko</i>
Witness (optional)	Witness (optional)
Print/Type Name PI-CHANG KO	Print/Type Name
Signature	Signature
Assignor Name HSIEN-YU CHU	Address No.309, Shr-Yuan Rd., Lin 5, Ruei-Yuan Li, Da-Shi Jen, Taoyuan County, Taiwan, R.O.C.
Where Signed	
Date Jan. 17, 2001	Signature <i>Hsien-Yu Chu</i>
Witness (optional)	Witness (optional)
Print/Type Name HSIEN-YU CHU	Print/Type Name
Signature	Signature

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