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11/723343  
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PATENTS ONLY

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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):

I-Hsien LEE (2/5/2007), Chia-Wen LIN (2/5/2007),  
and Shih-Ming HSU (2/5/2007)

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):

This document is being filed together with a new application.

A. Patent Application No.(s)

NEW

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  
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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

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 \_\_\_\_\_  
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Authorized User Name \_\_\_\_\_

9. Signature:

Signature

March 19, 2007

Date

Joe McKinney Muncy - 32,334

Name of Person Signing

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

2

for

#43,36

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## ASSIGNMENT

WHEREAS, I-Hsien LEE, Chia-Wen LIN and Shih-Ming HSU 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: ENCODERS AND IMAGE ENCODING METHODS

Filed: 3/19/07

Serial No. NEW

Executed on: February 5, 2007; February 5, 2007 and February 5, 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.

I-Hsien Lee  
I-Hsien LEE

February 5, 2007  
Date:

Chia-Wen LIN  
Chia-Wen LIN

February 5, 2007  
Date:

Shih-Ming HSU  
Shih-Ming HSU

February 5, 2007  
Date:

PATENT