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4-1904



To the Director of the United States Patent and Trade.

Documents or copy thereof.

102728689

17548 U.S. PTO  
10/827150

041904

1. Name of conveying part(ies):

- (1) Hui-Huang CHANG
- (2) Hsin-Ying OU

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Realtek Semiconductor Corp.

Street Address: No. 2, Industry E. Rd. IX  
Science-Based Industrial Park  
Hsinchu 300, Taiwan, R.O.C.

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

3. Nature of conveyance:

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

Execution Date: March 16, 2004

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

10827150

If this document is being filed together with a new application, the execution date of the application is:  
March 16, 2004

A. Patent application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

**Daniel R. McClure**  
**Thomas, Kayden, Horstemeyer & Risley, L.L.P.**  
100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339-5948

6. Total number of applications/patents involved: [ 1 ]

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

- Enclosed
- Authorization to charge credit card (attached)

8. Deposit Account Number:

20-0778

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04/21/2004 ANABI 00000082 10827150  
02 FC 8021 40.00 DP

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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.

**Daniel R. McClure**

Typed Name

Signature

Apr 19, 2004

Date

Docket #: 251806-1080

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

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

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**

Page 1 of 2

**WHEREAS** Hui-Huang Chang and Hsin-Ying Ou

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to ERROR PREDICTION METHOD FOR HALFTONE PROCESSING

the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_,

authorization being hereby given to my attorney, THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P. of 100 GALLERIA PARKWAY, N.W. SUITE 1500 ATLANTA, GEORGIA 30339-5948, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known;

said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

**AND WHEREAS** REALTEK SEMICONDUCTOR CORP. of No. 2, Industry E. Rd. IX, Science-Based Industrial Park, Hsinchu 300, Taiwan, R.O.C., hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

**NOW THIS WITNESSETH**, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

**AND** said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

**AND** said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.  
瑞昱編號92A-013 || 三達編號 US1088PA

**ASSIGNOR:**

Signature: Hui-Huang Chang

Printed Name: Hui-Huang Chang

Date: March 16, 2004

**ASSIGNOR:**

Signature: Hsin-Ying Ou

Printed Name: Hsin-Ying Ou

Date: March 16, 2004

**WITNESS:**

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.

瑞昱編號92A-013 || 三達編號US1088PA