

08-29-2003



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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):  
**JIUNN-YIH LEE**

Additional names(s) of conveying party(ies)  Yes  No

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

Name: **MStar Semiconductor, Inc.**

Address: **4F-1, No. 26, Tai-Yuan Street, Chu-Pei**

City: **HsinChu Hsien** State/Prov.: **TAIWAN**

Country: **R.O.C.** ZIP: \_\_\_\_\_

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

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: **July 18, 2003**

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: **July 18, 2003**

Patent Application No.	Filing date	B. Patent No.(s)
	<b>10 647476</b>	

**08/28/2003 ECOOPER 00000137 10647476**

**01 FC:0021 40.00 00** Additional numbers  Yes  No

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

Name: **MICHAEL D. BEDNAREK**

Registration No. **32,329**

Address: **SHAW PITTMAN**

**1650 TYSONS BLVD.**

City: **MCLEAN** State/Prov.: **VA**

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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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.*

**MICHAEL D. BEDNAREK** *Lawrence D. Elin (41,009)* **AUGUST 26, 2003**

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and

**2**

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

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**MStar Semiconductor, Inc.  
of 4F-1, No.26, Tai-Yuan St., ChuPei, HsinChu Hsien, Taiwan, R.O.C.**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

**APPARATUS FOR GENERATING QUADRATURE PHASE SIGNALS AND DATA RECOVERY CIRCUIT USING THE SAME**

as set forth in his United States Patent Application

executed concurrently herewith

Executed on \_\_\_\_\_

Serial No. \_\_\_\_\_ filed \_\_\_\_\_

in and to said United States Patent Application including any and all divisions or continuation thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to be full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors, legal representatives or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

*Jiunn-Yih Lee*

Signature:

Sole or First Joint Inventor: Jiunn-Yih Lee

*July-18-2003*

Date:

Signature:

Second Joint Inventor:

Date: