

12-15-1999



FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

1-31-92

Patent and Trademark Office

MWD 12.1.99

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Jiun-In Guo  
(2) Kun-Wang Liu

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 22 October 1999 for (1); 10 November 1999 for (2)

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

Name: **Macronix International Co., Ltd**Street Address: **No. 3 Creation Road 3<sup>rd</sup>  
Science-Based Industrial Park**City: **Hsinchu, Taiwan, R.O.C.**

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s): Not yet assigned

If this document is being filed together with a new application, the execution date of the application is: 22 October 1999 for (1);  
10 November 1999 for (2)

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:

Name: **Ernest J. Beffel, Jr.**  
**Haynes & Beffel LLP**  
**P.O. Box 366**  
**Half Moon Bay, CA 94019**

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: 50-0869  
(Attorney Docket No.: MXIC 1285-1)

DO NOT USE THIS SPACE

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.*

Ernest J. Beffel, Jr., Reg. No.: 43,489  
Typed Name, Registration Number

Signature

1 December 1999  
Date

Total number of pages including cover sheet, attachments and document: [4]

12/14/1999 SCARMICH 00000050 09/452655

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**JOINT TO CORPORATE  
ASSIGNMENT**

WHEREAS, the undersigned,

(1) Jiun-In Guo  
No. 6, Lane 299, Hsin-Tung Str.  
Miao-Li  
360 Taiwan, R.O.C.

(2) Kun-Wang Liu  
5 Floor, 72-7, Lane 531, Sec. 1  
Kwang-Fu Road, Hsinchu  
300 Taiwan, R.O.C.

hereinafter termed "Inventors", have invented certain new and useful improvements in

**A Parallel Adder-Based DCT/IDCT Design Using Cyclic Convolution**

and have filed an application for a United States patent disclosing and identifying the above invention not yet filed as Application No. not yet assigned (hereinafter termed "application"); OR are filing an such application herewith, and have executed an oath or declaration of inventorship for such application on:

(1) the 22 day of October, 1999;

(2) the 10 day of November, 1999;

(hereinafter termed "application"); and

WHEREAS, **Macronix International, Co., Ltd.**, a corporation of **Taiwan, R.O.C.**, having a place of business at No. 3 Creation Road 3<sup>rd</sup>, Science-Based Industrial Park, Hsinchu, Tawian, R.O.C. (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

State of \_\_\_\_\_ )  
 \_\_\_\_\_ )  
 County of \_\_\_\_\_ )

Jiun-In Guo  
 Jiun-In Guo

On \_\_\_\_\_, 1999, before me, \_\_\_\_\_,  
 personally appeared \_\_\_\_\_,

☐ personally known to me or ☐ proved to me on the basis of  
 satisfactory evidence, to be the person whose name is subscribed to  
 the within instrument and acknowledged to me that he/she executed  
 the same in his/her authorized capacity, and that by his/her  
 signature on the instrument the person or the entity upon behalf of  
 which the person acted, executed the instrument.

1999.10.22  
 Date

WITNESS my hand and official seal.

\_\_\_\_\_  
 (Notary Public)

Kun-Wang Liu  
Kun-Wang Liu

1999. 11. 10  
Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 1999, before me, \_\_\_\_\_,  
personally appeared \_\_\_\_\_.

☐ personally known to me or ☐ proved to me on the basis of  
satisfactory evidence, to be the person whose name is subscribed to  
the within instrument and acknowledged to me that he/she executed  
the same in his/her authorized capacity, and that by his/her  
signature on the instrument the person or the entity upon behalf of  
which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Notary Public)