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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

<p>1. Name of conveying party(ies):</p> <p>Tso-Hung FAN; Tao-Cheng LU; Samuel PAN and Ta-Hui WANG</p> <p><i>11/13/01</i></p> <p>Additional name(s) of conveying party(ies) attached?</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: MACRONIX INTERNATIONAL CO., LTD.</p> <p>Internal Address:</p> <p>Street Address: No. 16, Li-Hsin Road, Science-based Industrial Park</p> <p>City: Hsin-Chu City State or Area: Taiwan</p> <p>Zip/Postal Code: Country: R.O.C.</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p>	

J1002 U.S. PTO
09/986932
11/13/01

Execution Date: November 7, 2001	Additional name(s) & address(es) attached?
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4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: **November 7, 2001**

<p>A. Patent Application No(s).</p> <p><i>09/986932</i></p>	<p>B. Patent No(s).</p>
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Additional numbers attached?

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name:</p> <p>LOWE HAUPTMAN GILMAN & BERNER</p> <p>Internal Address:</p> <p>Street Address: 1700 Diagonal Road, Suite 310</p> <p>City: Alexandria State: VA ZIP: 22314</p>	<p>6. Total number of applications and patents involved: one</p> <p>7. Total fee (37 CFR 3.41) \$40.00</p> <p><input checked="" type="checkbox"/> Credit Card payment form enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 07-1337</p>
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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.

Benjamin J. Hauptman
Reg. No. 29,510

Signature

November 13, 2001

Date

Total number of pages comprising cover sheet: 2

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Tso-Hung FAN
- (2) Tao-Cheng LU
- (3) Samuel PAN

- (4) Ta-Hui WANG
- (5) _____
- (6) _____

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

MACRONIX INTERNATIONAL CO., LTD.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

METHOD OF PROGRAMMING AND ERASING A SNNNS TYPE NON-VOLATILE MEMORY CELL

- [a] for which an application for United States Letters Patent was filed on, and identified by United States Serial No.; or
- [b] for which an application for United States Letters Patent was executed on,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside our signatures:

INVENTORS

DATE SIGNED

(1) Tso-Hung Fan
Name: Tso-Hung FAN

NOV - 7 2001

(2) Tao Cheng Lu
Name: Tao-Cheng LU

NOV - 7 2001

(3) Samuel Pan
Name: Samuel PAN

NOV - 7 2001

(4) Ta-Hui Wang
Name: Ta-Hui WANG

NOV - 7 2001