

09-14-2001



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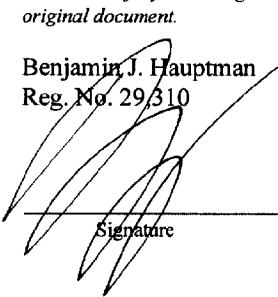
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 4425-192

PATENTS ONLY

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

| | | | |
|--|--|--|--|
| 1. Name of conveying party(ies): Kent Kuohua CHANG and Jen-Yuan CHIU <i>09/05/01</i> Additional name(s) of conveying party(ies) attached? | | 2. Name and address of receiving party(ies): Name: MACRONIX INTERNATIONAL CO., LTD. Internal Address: Street Address: No. 16, Li-Hsin Road, Science-based Industrial Park City: Hsin-Chu City State or Area: Taiwan Zip/Postal Code: Country: R.O.C. | |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other | | Execution Date: July 27, 2001 Additional name(s) & address(es) attached? | |
| 4. Application number(s) or patent number(s): <i>09/945795</i> If the document is being filed together with a new application, the execution date of the application is: July 27, 2001 | | | |
| A. Patent Application No(s). | | B. Patent No(s). | |
| Additional numbers attached? | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: LOWE HAUPTMAN GILMAN & BERNER Internal Address: Street Address: 1700 Diagonal Road, Suite 310 City: Alexandria State: VA ZIP: 22314 | | 6. Total number of applications and patents involved: one 7. Total fee (37 CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Credit Card payment form enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 07-1337 | |
| DO NOT USE THIS SPACE | | | |
| 9. Statement and signature. <i>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.</i> Benjamin J. Hauptman Reg. No. 29,310  _____ Signature September 5, 2001 Date Total number of pages comprising cover sheet: 3 | | | |
| CMB No. 0851-0011 (exp. 4/94) | | | |

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PATENT
REEL: 012147 FRAME: 0614

Docket No.:

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) <u>Kent Kuohua CHANG</u> | (4) _____ |
| (2) <u>Jen-Yuan CHIU</u> | (5) _____ |
| (3) _____ | (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

STRUCTURE OF FABRICATING HIGH GATE PERFORMANCE FOR NROM TECHNOLOGY

- [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

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| (1) <u></u> | <u>7-27-2001</u> |
| Name: Kent Kuohua CHANG | |

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|--------------------------|------------------|
| (2) <u>Jen-Yuan Chiu</u> | <u>7-27-2001</u> |
| Name: Jen-Yuan CHIU | |

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|-----------|-------|
| (3) _____ | _____ |
| Name: | |

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| (4) _____ | _____ |
| Name: | |

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| (5) _____ | _____ |
| Name: | |