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To the Honorable Commissioner of Pa.

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10971 U.S. PTO
10606/60
09/990901
11/16/01

1. Name of conveying party(ies):

Roy E. Scheuerlein

11/16/01

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

Name: Matrix Semiconductor, Inc.

Internal Address: _____

Street Address: 3230 Scott Boulevard

City: Santa Clara State: CA ZIP: 95054

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

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of Conveyance:

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

Execution Date: November 13, 2001

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

If this document is being filed together with a new application, the execution date of the application is: Nov. 13, 2001

09/990901

A. Patent Application No.:

B. Patent No.:

Additional numbers attached? Yes No

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

Name Andrew C. Graham
 Internal Address: Zagorin, O'Brien & Graham, L.L.P.
 Street Address: 401 West 15th Street, Suite 870
 City AUSTIN State TX ZIP 78701

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
- A check is enclosed for the Total Fee shown above
 - Please charge the Total Fee shown above to Deposit Account 50-0631
 - Authorized to charge additional fees to Deposit Account 50-0631

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8. 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.

Andrew C. Graham, Reg. No. 36,531
Name of Person Signing

Signature

11-16-01
Date

Total number of pages including cover sheet: 3

Express Mail Label No.: **EL684226339US**

ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged,
I, an ASSIGNOR named below,

Roy E. Scheuerlein of Cupertino, CA

hereby sell, assign and transfer to

ASSIGNEE: Matrix Semiconductor, Inc., a Delaware corporation, having a
place of business at 3230 Scott Boulevard, Santa Clara, CA 95054,

its successors, assigns and legal representatives, my entire right, title and interest throughout
the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
- U.S. Patent Application executed on _____, or
- U.S. Provisional Application
- U.S. Application No.: _____, filed on _____
- International Application No.: PCT/_____, filed on _____

ENTITLED: **INTEGRATED CIRCUIT INCORPORATING DUAL
ORGANIZATION MEMORY ARRAY**, and naming as

INVENTOR(S): Roy E. Scheuerlein

including without limitation, my entire right, title and interest in and to any and all United
States and foreign applications (including international, regional and foreign national
applications) for said invention(s), including divisions, continuations, continuations-in-part,
renewals, substitutes and extensions thereof, and in and to any and all patents of every
country or region that may be granted or have been granted for said invention(s), including
any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that
the application number and filing date be inserted here, if not already shown above,
(____/____/____, filed _____) when they become known.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to
claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and
foreign applications (including international, regional, and foreign national applications), and
generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees,
at their request and reasonable expense, in obtaining and enforcing patents for said
invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or
will be made or entered into that would conflict with this Assignment.

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S.
Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or
assigns.

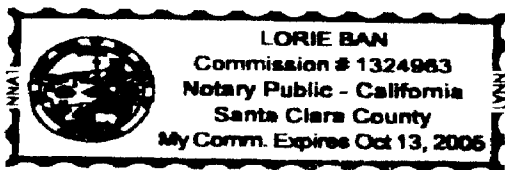
ASSIGNMENT OF INVENTION

Executed on Nov. 13, 2001 by Roy E. Scheuerlein
Roy E. Scheuerlein

----- Notary Use Below -----

State of CALIFORNIA
County of SANTA CLARA

On NOVEMBER 13, 01, Roy E. Scheuerlein, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within this instrument, personally appeared before me and acknowledged to me that he/~~she~~ executed this instrument in his/~~her~~ authorized capacity, and that by his/~~her~~ signature, he/~~she~~ or the entity upon behalf of which he/~~she~~ acted, executed the instrument.



WITNESS my hand and official seal.

Lorie Ban
Signature of Notary