

FORM PTO-1595
(REV 6-93)RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

AF01191

OMB No. 0651-011 (exp. 4/94)

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

1. Name of conveying party(ies):

Arvind Halliyal; Amir H. Jafarpour; Hidehiko Shiraiwa;
Tazrien Kamal; Mark T. Ramsbey; Jaeyong ParkAdditional name(s) of conveying
party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: 8/20;8/22;8/25;8/27 & 9/25/03

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

Name: FASL, LLC

Internal Address: _____

Street Address: One AMD Place

City: Sunnyvale

State/Country: California ZIP: 94088

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

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: _____

A. Patent Application No.(s)

10/679,774

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: Thomas W. Adams

Internal Address: Renner, Otto, Boisselle & Sklar

Street Address: 1621 Euclid Avenue

19th Floor

City: Cleveland

State: Ohio ZIP: 44115

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:

18-0988

(Attach duplicate copy of this page if paying by deposit account)

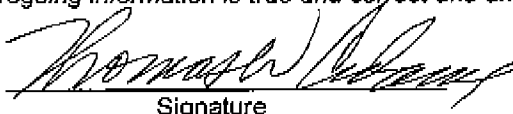
DO NOT USE THIS SPACE

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.

Thomas W. Adams

Name of Person Signing



Signature

01/07/04

Date

Reg. No. 35,047 Total number of pages including cover sheet attachments, and document: [6]

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

700059346

PATENT
REEL: 014237 FRAME: 0631

CH \$40.00 180988 10679774

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned

Arvind Halliyal, 20679 Shelly Dr., Cupertino, CA 95014, U.S.A.
Amir H. Jafarpour, 3951 Blacow Ct., Cupertino, CA 94566 U.S.A.
Hidehiko Shiraiwa, 1208 Valley Quail Circle, San Jose, CA 95120 U.S.A.
Tazrien Kamal, 390 Elan Village Ln., #304, San Jose, CA 95134 U.S.A.
Mark T. Ramsbey, 402 Cumulus Avenue, Sunnyvale, California 94087 U.S.A.
Jaeyong Park, 1069 Greco Ave., #B-213, Sunnyvale, CA 94087 U.S.A.

hereby sell and assign to FASL LLC, a limited liability company of Delaware having a place of business at One AMD Place, Sunnyvale, California 94088, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

FLASH MEMORY DEVICE AND METHOD OF FABRICATION THEREOF

for which application for United States Letters Patent has been filed on 06 OCT. 2003 under Serial No. 10/679,774, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by

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said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

Signed:

Date:

A. Haller
Arvind Halliyal

8/25/03

A. H. Jafar
Amir H. Jafarpour

9/25/03

H. Shiraiwa
Hidehiko Shiraiwa

Aug/22/03

Tazien Kamal
Tazien Kamal

8/20/03

Mark T. Ramsbey
Mark T. Ramsbey

8/27/03

Jaeyong Park
Jaeyong Park

8/25/03

AMD Docket No. AF01191

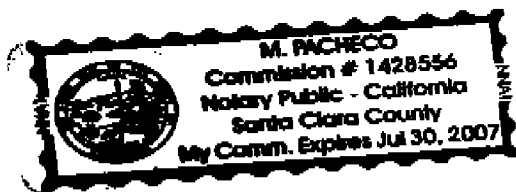
CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On August 25, 2003 before me, M. Pacheco, Notary Public
personally appeared Arvind Halliyal
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
Name(s) of Signer(s)

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

WITNESS my hand and official seal.

M. Pacheco
Signature of Notary Public



CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On September 25, 2003 before me, M. Pacheco, Notary Public
personally appeared Amir Safarpour
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
Name(s) of Signer(s)

9 personally known to me - OR - 9 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

M. Pacheco
Signature of Notary Public



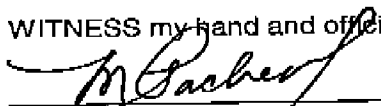
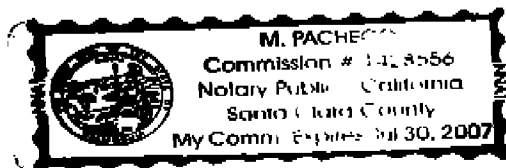
AMD Docket No. AF01191

CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On August 22, 2003 before me, M. Pacheco, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Hidehiko Shiraiwa
Name(s) of Signer(s)

9 personally known to me - OR - 9 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public**CERTIFICATE OF ACKNOWLEDGMENT**

State of California
County of Santa Clara
On August 20, 2003 before me, M. Pacheco, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Tazrius Ramal
Name(s) of Signer(s)

9 personally known to me - OR - 9 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

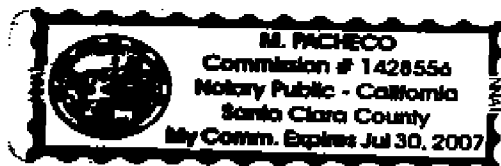

Signature of Notary Public

AMD Docket No. AF01191

CERTIFICATE OF ACKNOWLEDGMENTState of CaliforniaCounty of Santa ClaraOn August 27, 2003 before me, M. Pacheco Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Mark T. Ramsbey
Name(s) of Signer(s)

9 personally known to me - OR - 9 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

M. Pacheco
Signature of Notary Public**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn August 25, 2003 before me, M. Pacheco Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Jae Yong Park
Name(s) of Signer(s)

9 personally known to me - OR - 9 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

M. Pacheco
Signature of Notary Public