

4/29/05

04-29-2005

Form PTO-1595 (Rev. 06/04)  
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PATENTS ONLY

102991354

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

Suzette K. Pangrle  
Steven C. Avanzino  
Jeffrey A. Shields  
Minh TranJuri H. Krieger  
Igor Sokolik

Execution Date(s) 2/23/05; 4/13/05; 3/15/05;

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

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

Name: SPANSION LLC

Internal Address:

Street Address: One AMD Place, P.O. Box 3453

City: Sunnyvale

State: California

Country: USA Zip: 94088

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

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

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory Turocy

Internal Address:

Amin &amp; Turocy, LLP

Street Address: 24th Floor, National City Center

1900 E. 9th Street

City: Cleveland

State: Ohio Zip: 44114

Phone Number: 216-696-8730

Fax Number: 216-696-8731

Email Address:

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers 6807  
Expiration Date 08/06

b. Deposit Account Number 50-1063

Authorized User Name Gregory Turocy

## 9. Signature:

Signature

Gregory Turocy, 36,952

Name of Person Signing

April 20, 2005

Date

Total number of pages including cover  
sheet, attachments, and documents:

8

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

04/22/2005 EHAILE1 00000058 11110165

05 FC:8021

40.00 DP

PATENT  
REEL: 016495 FRAME: 0162

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**ASSIGNMENT**

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Suzette Pangrle  
21849 Lindy Lane  
Cupertino, CA 95014

Minh Tran  
1722 Mirabella Court  
Milpitas, CA 95035

Steven C. Avanzino  
7504 Barnhart Place  
Cupertino, CA 95014

Juri H. Krieger  
1454 Beacon Street  
Brookline, MA 02446

Jeffrey A. Shields  
770 Blanchard Way  
Sunnyvale, CA 94077

Igor Sokolik  
109-111 Webster Street, #6  
East Boston, MA 02128

hereby sell and assign to SPANSION LLC, a Limited Liability Company of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, 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

**ORDERED POROSITY TO DIRECT MEMORY ELEMENT FORMATION**

for which application for United States Letters Patent has been filed on \_\_\_\_\_ under Serial No. \_\_\_\_\_, 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 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.

Signed:

Date:

Suzette K. Pangre 3/15/05  
 Suzette Pangre  
 K. SKP

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California

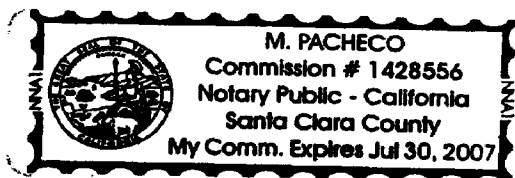
County of Santa Clara

On March 15, 2005 before me, M. Pacheco, Notary Public,  
 Name and Title of Officer (e.g., "Jane Doe,

Notary Public")

personally appeared Suzette K. Pangre  
 Name(s) of Signer(s)

☒ 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

Signed:

Date:

Minh Tran4/13/05

Minh Tran

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn April 13, 2005 before me, M. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe,

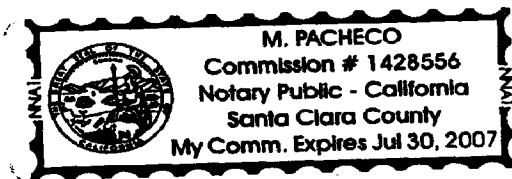
Notary Public")

personally appeared Minh Tran

Name(s) of Signer(s)

9 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

Signed:

Date:

Steven C. Avanzino 3/15/05  
 Steven C. Avanzino

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn March 15, 2005 before me, M. Pacheco, Notary Public,  
 Name and Title of Officer (e.g., "Jane Doe,

Notary Public")

personally appeared

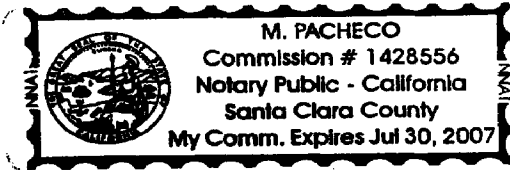
Steven C. Avanzino

Name(s) of Signer(s)

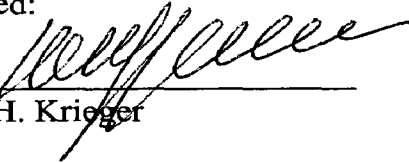
☒ personally known to me - OR - 9 proved to me  
 on the basis of satisfactory evidence to be the  
 person(s) whose name(s) is/~~are~~ subscribed to the  
 within instrument and acknowledged to me that  
 he/~~she/they~~ executed the same in his/~~her/their~~  
 authorized capacity(ies), and that by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



Signed:

  
Juri H. Krieger

Date:

2-23-05**CERTIFICATE OF ACKNOWLEDGMENT**State of MassachusettsCounty of MiddlesexOn 2-23-05 before me, Cynthia S. Adams, Notary Public  
Name and Title of Officer (e.g., "Jane Doe,

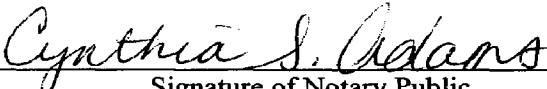
Notary Public")

personally appeared Juri Krieger

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

CYNTHIA S. ADAMS  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 13, 2011

Signed:

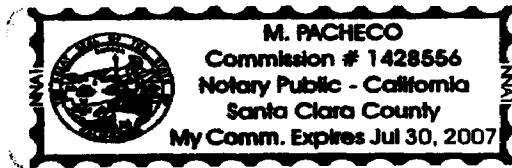
Date:

Jeffrey A. Shields  
Jeffrey A. Shields3/15/05**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn March 15, 2005 before me, M. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe,

Notary Public")

personally appeared Jeffrey A. Shields  
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

Signed:

Igor Sokolik  
Igor Sokolik

Date:

2-23-05**CERTIFICATE OF ACKNOWLEDGMENT**State of MassachusettsCounty of MiddlesexOn 2-23-05 before me, Igor Sokolik <sup>CA</sup> Cynthia S. Adams, Notary  
Name and Title of Officer (e.g., "Jane Doe, Public

Notary Public")

personally appeared

Igor Sokolik  
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.

Cynthia S. Adams  
Signature of Notary Public

CYNTHIA S. ADAMS  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 13, 2011