05-27-2005

Form PTO-1595 (Rev. 06/04)

OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE nited States Patent and Trademark Office

S-25-05 RECULLIFONDE.		
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): Steven C. Avanzino Nicholas H. Tripsas Jeffrey A. Shields Richard P. Kingsborough William Leonard Suzette K. Pangrle	2. Name and address of receiving party(ies) Name: SPANSION LLC Internal Address:	
10/19/04; 10/19/04; 11/03/04 11/8/04; 11/03/04; 10/19/04 Execution Date(s)	Street Address: One AMD Place, P.O. Box 3453	
Assignment	City: Sunnyvale California	
Government Interest Assignment Executive Order 9424, Confirmatory License Other	State: USA Zip: 94088	
4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes No document is being filed together with a new application. B. Patent No.(s)	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents:	
Name: Gregory Turocy Internal Address: Amin & Turocy, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account	
Street Address: 24th Floor, National City Center 1900 E. 9th Street	Enclosed None required (government interest not affecting title)	
City: Cleveland State: Ohio Zip: 44114	8. Payment Information a. Credit Card Last 4 Numbers	
Phone Number: 216-696-8730 Fax Number: 216-696-8731	b. Deposit Account Number50-1063	
Email Address:	Authorized User Name Gregory Turocy	
9. Signature: Signature Gregory Turocy, 36,952	May 20, 2005 Date Total number of pages including cover	
Name of Person Signing	sheet, attachments, and documents:	

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) xp. 6/30/2005)

11-23-2004

I.S. DEPARTMENT OF COMMERCE
LStates Patent and Trademark Office

Form PTO-1595 (Rev. 06/04) 11 - 23 DMB No. 0651-0027 (exp. 6/30/2005)	3 - 2004 J.S. DEPARTMENT OF COMMERCE States Patent and Trademark Office	
RECOR		
102887841		
	e record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)	
Steven C. Avanzino Richard P. Kingsborough Nicholas H. Tripsas William Leonard	Name: SPANSION, L.L.C.	
Jeffrey A. Shields Suzette K. Pangrle	Internal Address:	
	Internal Address:	
Execution Date(s) 10/19/04; 11/3/04; 11/8/04	Street Address: One AMD Place, P.O. Box 3453	
Additional name(s) of conveying party(ies) attached? Yes V No		
3. Nature of conveyance:		
Assignment Merger	City: Sunnyvale	
Security Agreement Change of Name	California State:	
Government Interest Assignment	Country: USA Zip: 94088	
Executive Order 9424, Confirmatory License	Country: Zip: Zip:	
Other	Additional name(s) & address(es) attached? Yes No	
4. Application or patent number(s):	document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbers att	ached? Yes No	
5. Name and address to whom correspondence	6. Total number of applications and patents	
concerning document should be mailed:	involved:	
Name: Gregory Turocy	7 Total for (27 CED 4 24/b) 8 2 44) 8 40 00	
Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00	
Amin & Turocy, LLP	Authorized to be charged by credit card Authorized to be charged to deposit account	
24th Floor National City Contact	Enclosed	
Street Address: 24th Floor, National City Center 1900 E. 9th Street	None required (government interest not affecting title)	
City: Cleveland	8. Payment Information	
01:	a. Credit Card Last 4 Numbers 6807	
StateZIp	Expiration Date 08/06	
Phone Number: 216-696-8730 Fax Number: 216-696-8731	b. Deposit Account Number50-1063	
T dx T dillion.	Authorized User Name Gregory Turocy	
Email Address:		
9. Signature:	November 12, 2004	
Signature Gregory Turocy, 36,952	Date	
Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:	
radio of Foldon Digning		

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

11/18/2004 MBIZUNES 00000018 10988239 40.00 **O**P

> **PATENT REEL: 016594 FRAME: 0414**

ASSIGNMENT

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

> Steven C. Avanzino 7504 Barnhart Place Cupertino, CA 95014

Richard P. Kingsborough 138 Railroad Street Acton, MA 01720

Nicholas H. Tripsas 6017 Crossmont Court San Jose, CA 95120

William Leonard 26B Alton Place Brookline, MA 02446

Jeffrey A. Shields 770 Blanchard Way

Suzette K. Pangrle 21849 Lindy Lane Cupertino, CA 95014

Sunnyvale, CA 94077 94087 kus

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

UTILIZATION OF A TA-CONTAINING CAP OVER COPPER TO FACILITATE CONCURRENT FORMATION OF COPPER VIAS AND MEMORY ELEMENT **STRUCTURES**

for which application for United States Letters Patent has been filed on _____ 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

> PATENT REEL: 016594 FRAME: 0415

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:

Steven C. Avanzino Date:

Date:

CERTIFICATE OF ACKNOWLEDGMENT

State of <u>aliprove</u>

County of <u>Santa Clara</u>

Name and Title of Officer (e.g., "Jane Doe

Notary Public") personally appeared

Steven C. Ava

Juanzino

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.

M. PACHECO
Commission # 1428556
Notary Public - California
Santa Clara County
My Comm. Expires Jul 30, 2007

WITNESS my hand and official seal.

ignature of Notary Public

Signed:

Date:

Nicholas H. Tripsas

10/19/04

CERTIFICATE OF ACKNOWLEDGMENT

State of

M. PACHECO Commission # 1428556 Notary Public - California

Santa Clara County ly Comm. Expires Jul 30, 2007

Notary Public") personally appeared

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 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

3

Signed	
Named	•
DIELLOU	

Date:

Jeffrey A. Shields

11/03/04

CERTIFICATE OF ACKNOWLEDGMENT

State of Califor

County of Santa C

before me,

Pacheco, Notary Lublic

Name and Title of Officer (e.g., "Jane Doe

Notary Public") personally appeared

Jeffrey A. Shields

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

M. PACHECO
Commission # 1428556
Notary Public - California
Santa Clara County
My Comm. Expires Jul 30, 2007

CERTIFICATE OF ACKNOWLEDGMENT

State of Massa	chusets
County of Middles	sex
On 11/8/04	before me, Cynthia S Adams,
	Name and Title of Officer (e.g., "Jane Doe,
Notary Public")	
personally appeared	Richard Kingsborough
	Name(s) of Signer(s)
	M nersonally known to me - OP - 0 proved to me

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

AF01296

Apersonally 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

Signed:

Date:

William Leonard

143/2004

CERTIFICATE OF ACKNOWLEDGMENT

State of _

County of Saria

__ before me, _

1. Pachero Notary Public

Name and Title of Officer (e.g., "Jane Doe,

Notary Public")

personally appeared _

William Leonard

Name(s) of Signer(s)

A 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.

M. PACHECO
Commission # 1428556
Notary Public - California
Santa Clara County
My Comm. Expires Jul 30, 2007

WITNESS my hand and official seal.

Signature of Notary Public

Signed: Date:

Suzette K. Pangrle

Date:

10/19/04

CERTIFICATE OF ACKNOWLEDGMENT

State of Californ

County of Santa Clare

before me, M. Pachuo

Jame and Title of Officer (e.g., "Jane Doe,

Notary Public")

personally appeared

Suzette

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 fland and official seal.

Signature of Notary Public

M. PACHECO
Commission # 1428556
Notary Public - California
Santa Clara County
My Comm. Expires Jul 30, 2007

RECORDED: 11/12/2004