

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sony Corporation	02/26/2010
RECEIVING PARTY DATA	
Name:	United Memories, Inc.
Street Address:	4815 List Drive, Suite 109
City:	Colorado Springs
State/Country:	COLORADO
Postal Code:	80919
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7606093
CORRESPONDENCE DATA	
Fax Number:	(303)899-7333
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	719-448-5947
Email:	jllange@hhlaw.com
Correspondent Name:	Hogan & Hartson LLP
Address Line 1:	One Tabor Center
Address Line 2:	1200 17th Street, Suite 1500
Address Line 4:	Denver, COLORADO 80202
ATTORNEY DOCKET NUMBER:	UMI-383
NAME OF SUBMITTER:	Scott J. Hawranek
Total Attachments: 13 source=DOC105#page1.tif source=DOC105#page2.tif source=DOC105#page3.tif source=DOC105#page4.tif	

CH \$40.00 7606093

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**PATENT
 REEL: 024185 FRAME: 0796**

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PATENTS ONLY

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):

Sony Corporation – execution date: 02/26/2010

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

Name and address of receiving party

United Memories, Inc.
4815 List Drive, Suite 109
Colorado Springs, CO 80919

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

3. Nature of conveyance/Execution Date(s):
Execution Date(s) February 26, 2010

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
Attorney Docket No.: UMI-383

Additional numbers attached? Yes No

B. Patent No.(s) 7,606,093

5. Name and Address of party to whom correspondence concerning document should be mailed:
Name: William J. Kubida
Internal Address: Hogan & Hartson LLP
One Tabor Center
1200 17th Street, Suite 1500
Street Address: same as above
City: Denver State: CO Zip: 80202

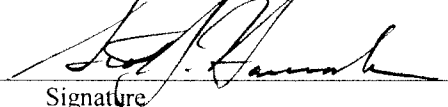
Phone Number: 719-448-5909
Fax Number: 719-448-5922
Email Address: PatentColorado@hhlaw.com

6. Total number of applications and patents involved: 1

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

Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Deposit Account Number:
50-1123
Authorized User Name:

9. Signature: 
Signature

Scott J. Hawranek
Name of Person signing

4/2/2010
Date

Total number of pages including cover sheet, attachments, and documents: 13

:WILLIAM J. KUBIDA COMPAN 2 NORTH CASCADE AVE., STE. 1300



UNITED STATES PATENT AND TRADEMARK OFFICE

Facsimile Transmission

To: **Name:** WILLIAM J. KUBIDA
 Company: 2 NORTH CASCADE AVE., STE. 1300
 Fax Number: 13038997333
 Voice Phone:

From: **Name:** ASSIGNMENT SERVICES BRANCH
 Voice Phone: 571-272-3350

37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

Fax Notes:

Pg#	Description
1	Cover Page
2	874.TXT
4	Document 1, Batch 999628

USPTO ASSIGNMENT SYSTEM PROCESSING

Date and time of transmission: Tuesday, August 07, 2007 9:28:56 PM
Number of pages including this cover sheet: 05

PATENT
REEL: 024185 FRAME: 0799

:WILLIAM J. KUBIDA COMPAN 2 NORTH CASCADE AVE., STE 1300

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 06, 2007

PTAS

500328792AWILLIAM J. KUBIDA
2 NORTH CASCADE AVE., STE. 1300
COLORADO SPRINGS, CO 80903

500328792A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
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FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/06/2007

REEL/FRAME: 019653/0529
NUMBER OF PAGES: 8BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE ADDRESS FOR SONY
CORPORATION PREVIOUSLY RECORDED ON REEL 019397 FRAME 0650.
ASSIGNOR(S) HEREBY CONFIRMS THE TSIM SHA TSUI, HONG KONG, JAPAN
SHOULD READ: TOKYO, JAPAN 141-0001.

DOCKET NUMBER: UMI-383

ASSIGNOR:

PARRIS, MICHAEL C.

DOC DATE: 06/05/2007

ASSIGNOR:

HARDEE, KIM C.

DOC DATE: 06/05/2007

ASSIGNEE:

UNITED MEMORIES, INC.
4815 LIST DRIVE, SUITE 109
COLORADO SPRINGS, COLORADO 80919

:WILLIAM J. KUBIDA COMPAN 2 NORTH CASCADE AVE., STE. 1300

019653/0529 PAGE 2

ASSIGNEE:

SONY CORPORATION
6-7-35 KITA-SHINAGAWA
SHINAGAWA-KU
TOKYO, JAPAN 141-0001

SERIAL NUMBER: 11759823

FILING DATE: 06/07/2007

PATENT NUMBER:

ISSUE DATE:

TITLE: OPTIMIZED CHARGE SHARING FOR DATA BUS SKEW APPLICATIONS

KIMBERLY WHITE, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

08/06/2007
500328792

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee Address for Sony Corporation previously recorded on Reel 019387 Frame 0850. Assignor(s) hereby confirms the Tsim Sha Tsui, Hong Kong, Japan should read: Tokyo, Japan 141-0001.
CONVEYING PARTY DATA	
Name	Execution Date
Michael C. Parris	06/05/2007
Kim C. Hardee	06/05/2007
RECEIVING PARTY DATA	
Name:	United Memories, Inc.
Street Address:	4815 List Drive, Suite 109
City:	Colorado Springs
State/Country:	COLORADO
Postal Code:	80919
Name:	Sony Corporation
Street Address:	6-7-35 Kita-shinagawa
Internal Address:	Shinagawa-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	141-0001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11759823
CORRESPONDENCE DATA	
Fax Number:	(303)899-7333
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	719-448-5947
Email:	jllange@hhlaw.com
Correspondent Name:	William J. Kubida

CH \$40.00 11759823

:WILLIAM J. KUBIDA COMPAI 2 NORTH CASCADE AVE., STE. 1300

Address Line 1:	2 North Cascade Ave., Ste. 1300
Address Line 4:	Colorado Springs, COLORADO 80903
ATTORNEY DOCKET NUMBER:	UMI-383
NAME OF SUBMITTER:	William J. Kubida
Total Attachments: 11 source=DOC027#page1.tif source=DOC027#page2.tif source=DOC027#page3.tif source=DOC027#page4.tif source=DOC027#page5.tif source=DOC027#page6.tif source=DOC027#page7.tif source=DOC027#page8.tif source=DOC027#page9.tif source=DOC027#page10.tif source=DOC027#page11.tif	

RECORDATION FORM COVER SHEET

PATENTS ONLY

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):

Michael C. Parris - Execution Date: June 5, 2007
Kim C. Hardee - Execution Date: June 5, 2007

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

2. Name and address of receiving party(ies)

Name: United Memories, Inc.
Street address: 4815 List Drive, Suite 109
Colorado Springs, CO 80919

AND

Name: Sony Corporation
Street Address: 6-7-35 Kita-shinagawa
Shinagawa-ku
Tokyo, Japan 141-0001

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

3. Nature of conveyance

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
Attorney Docket No.: UMI-383

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: William J. Kubida
Internal Address: Hogan & Hartson LLP
One Tabor Center
1200 17th Street, Suite 1500
Street Address: same as above
City: Denver State: CO Zip: 80202
Phone Number: 719-448-5909
Fax Number: 719-448-5922
Email Address: PatentColorado@hhlaw.com

6. Total number of applications and patents involved: 1

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
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit account number 50-1123
Authorized User Name _____

9. Signature: Peter J. Meza
Signature

6/7/07
Date

Peter J. Meza
Name of Person signing

Total number of pages including cover sheet, attachments and document: 4

ASSIGNMENT

WHEREAS, we, Michael C. Parris, having a residence address of 1504 N. Nevada Ave., Colorado Springs, CO 80907, and Kim C. Hardee, having a residence address of 1334 Lindenrose Grove, Colorado Springs, CO 80907, have made a certain new and useful invention relating to a OPTIMIZED CHARGE SHARING FOR DATA BUS SKEW APPLICATIONS, for which we are making or we have made application for Letters Patent of the United States, said application being identified by Docket No. UMI-383 and Client/Matter No. 80450.0114, in the law firm of HOGAN & HARTSON LLP, One Tabor Center, 1200 17th Street, Suite 1500, Denver, Colorado 80202, and which was executed on 6/5/07, assigned serial no. 11/759,823 and

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, United Memories, Inc., a Colorado corporation, whose post office address is 4815 List Drive, Suite 109, Colorado Springs, CO 80919, and Sony Corporation whose post office address is 6-7-35 Kita-shinagawa, Shinagawa-ku, Tokyo, Japan 141-0001, hereinafter ASSIGNEES, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, upon consideration of our employment and other good and valuable consideration, the adequacy of which is hereby acknowledged, we do hereby sell and assign unto ASSIGNEES, and ASSIGNEES' legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both of the United States and of other countries, that may or shall issue thereon; and we do hereby authorize and request

the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEES, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant and agree with ASSIGNEES that we will not execute any writing or do any act whatsoever conflicting with this assignment, and that we will, at any time upon request, without further or additional consideration, but at the expense of ASSIGNEES, execute such additional assignments and other writings and do such additional acts as ASSIGNEES may deem necessary or desirable to perfect the ASSIGNEES' enjoyment of this grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renewal, reissued or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, certificates, or patents, by giving testimony in any proceedings or transactions involving such applications, certificates, or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

The undersigned inventor hereby grants the patent practitioners associated with Customer No. 25235 the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals on the date hereinafter set forth.

Date: 6/5/07

Michael C. Parris
Michael C. Parris

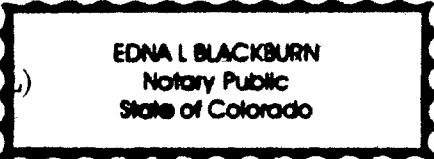
STATE OF COLORADO)
)
COUNTY OF EL PASO)

ss.

On this 5th day of June, 2007, before me, a notary public in and for said county, appeared Michael C. Parris, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires May 17, 2009.

Witness my hand and official seal.

(SEAL) 
EDNA L. BLACKBURN
Notary Public
State of Colorado

Edna L. Blackburn
Notary Public

Date: 6/5/07

Kim C. Hardee
Kim C. Hardee

STATE OF COLORADO)
)
COUNTY OF EL PASO)

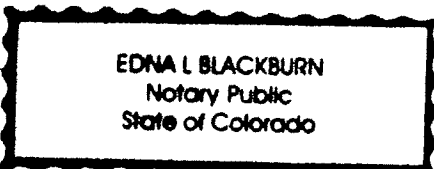
ss.

On this 5th day of June, 2007, before me, a notary public in and for said county, appeared Kim C. Hardee, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires May 17, 2009.

Witness my hand and official seal.

(SEAL) *Edna L. Blackburn*
Notary Public


EDNA L. BLACKBURN
Notary Public
State of Colorado

CONFIRMATORY ASSIGNMENT OF PATENTS

This Assignment of Patents ("*Assignment*") is made and entered into on this 26th day of February 2010, by and between:

SONY Corporation, a Japan Corporation, with a principal place of business at 1-7-1 Konan, Minato-ku, Tokyo Japan 108-0075 ("*ASSIGNOR*"); and United Memories Inc., a Colorado Corporation, with a principal place of business at 4815 List Drive, Suite 109, Colorado Springs, Colorado 80919 ("*ASSIGNEE*").

WHEREAS, ASSIGNOR has agreed to assign and transfer to ASSIGNEE all right, title and interest in and to the Assignor's Rights (as defined below).

NOW, THEREFORE, in consideration of the sum of one dollar (US\$1.00), the agreements related to this Assignment, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR, intending to be legally bound, and upon the terms set forth herein, agrees as follows:

ASSIGNOR does hereby irrevocably assign, sell, transfer and set over to ASSIGNEE its entire right, title and interest in, to and under the patents and patent applications set forth on Attachment A attached hereto, including all rights pursuant to 35 U.S.C. § 154 any and all letters patents issuing from any continuing, and divisional applications; any requests for continuing examination, substitutions, reissues, extensions, renewals and reexaminations of any of the foregoing; all inventions and discoveries described in any of the foregoing; and all rights to apply in any country for any foreign counterpart, certification of invention or other governmental grant or issuance corresponding to any of the foregoing throughout the world (collectively, "*Assignor's Rights*"), including any and all past, present and future causes of action and other enforcement actions (including, without limitation, for injunctive remedies and relief) and rights to damages and profits, due or accrued, relating to any of the foregoing, including the right to sue and recover for, and the right to profits and damages, due or accrued, arising out of or in connection with, any and all past, present or future infringements or dilutions.

The terms and conditions of this Assignment will inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives and will be binding upon ASSIGNOR, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment of Patents to be executed by its duly authorized representative on the date set forth below.

Assignor:
SONY Corporation
A Japan Corporation


By: 
Name: Fumihiko Moriya

Title: VP, Senior General Manager
Intellectual Property Division

Date: Feb. 26, 2010

Address
1-7-1 Konan Minato-Ku
Tokyo Japan 108-0078

Accepted by Assignee:
United Memories Corporation
A Colorado Corporation

By: 
Name: Robert L. Gower

Title: President and CEO

Date: Feb. 28, 2010

Address
4815 List Drive, Suite 109
Colorado Springs CO 80919

ATTACHMENT A

<u>Jurisdiction</u>	<u>Title</u>	<u>Appl. Number</u>	<u>Filing Date</u>	<u>Issue No.</u>	<u>Issue Date</u>
US	Two Phase Charge Sharing Data ...			6,434,069	8/13/02
JP	Two Phase Charge Sharing Data ...			3,488,433	10/31/03
US	Reduced Skew Write Circuit			6,278,653	8/21/01
JP	Reduced Skew Write Circuit			3,492,321	11/15/03
US	Delayed Start Oscillator			6,317,007	11/13/01
JP	Sync. Re-align Tech For Time ...			3,493,176	11/14/03
US	Local Write Driver Ckt. For DRAM			6,414,897	7/02/02
JP	Local Write Driver Ckt. For DRAM			3,939,493	3/13/07
JP	Local Write Driver Ckt. For DRAM	260,686/06	9/26/06		
US	Method For Constant Testing ...			6,732,305	5/04/04
US	Look Ahead Refresh			6,625,078	9/22/03
JP	Look Ahead Refresh	247,223/07	8/27/02		
JP	Look Ahead Refresh (DIV)	009,511/08	2/15/08		
US	Method for Non-VCC/2 BL Prechg			6,570,799	5/27/03
JP	Method for Non-VCC/2 BL Prechg	240,327/06	09/05/06		
US	Auto Delay for Early R/W SDRAM			6,608,797	8/19/03
JP	Auto Delay for Early R/W SDRAM			3,952,393	5/11/07
US	Data Path Decoding for an EDRAM			6,625,066	9/22/03
JP	Data Path Decoding for an EDRAM			4,246,454	1/16/09
US	Data Path Decoding for an EDRAM			6,625,069	9/22/03
US	Simultaneous Function DRAM			6,643,212	11/04/03
JP	Simultaneous Function DRAM			3,949,543	4/27/07
US	Look Ahead Refresh DRAM			6,667,927	12/23/03
JP	Look Ahead Refresh DRAM			3,979,950	7/06/07
US	Asynchronous Input Data Path			6,744,690	6/01/04
US	Reduced Output Delay Buffer			7,161,214	1/09/07
JP	Reduced Output Delay Buffer			4,124,699	5/16/08
US	Non-Contiguous Masked Refresh			6,912,168	6/28/05
US	Bitline Reference Voltage Circuit			6,788,590	9/07/04
US	Bandgap Reference Circuit			6,815,941	11/09/04
JP	Bandgap Reference Circuit			3,759,513	1/13/06
US	Dual WL Mode for DRAMs			7,002,874	2/21/06
US	Synchronous SRAM Compatible	11/062,974	2/22/05		
JP	Synchronous SRAM Compatible			4,304,176	5/01/09
US	SRAM Compatible High Avail...			7,506,100	3/17/09
US	SRAM Compatible High Avail ...	12/254,702	10/20/08		
JP	SRAM Compatible High Avail ...			4,304,172	4/07/09
US	Dynamic Exclusive OR Gate			7,298,171	11/20/07
US	Switched Capacitor Charge Sharing			7,609,570	10/27/09
JP	Switched Capacitor Charge Sharing	212,229/07	9/15/07		
US	Optimized Charge Sharing			7,606,093	10/20/09
JP	Optimized Charge Sharing	248,988/07	11/21/07		
US	Multiple Data Bus Charge Sharing			7,580,304	8/25/09
JP	Multiple Data Bus Charge Sharing	212,249/07	8/3/07		

US	Data Inversion Testing Memories			7,631,233	12/08/09
JP	Data Inversion Testing Memories	315,170/07	12/05/07		
US	Error Correction Code Circuit Test	11/840,203	8/16/07		
JP	Error Correction Code Circuit Test	267,178/07	10/12/07		
US	Check Bits in H Matrix Error Det	11/855,070	9/13/07		
JP	Check Bits in H Matrix Error Det	269,577/07	10/16/07		
US	DRAM Early Write with Masking	11/855,804	9/14/07		
JP	DRAM Early Write with Masking	274,362/07	10/22/07		
US	Short Circuit Charge Sharing	11/855,091	9/13/07		
JP	Short Circuit Charge Sharing	269,576/07	10/16/07		

7-11