

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	Addition of the missing text for Exhibits A-C for the previously recorded assignment at reel/frame no. 016253/0202.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>SILICON VALLEY BANK</td><td>03/04/2003</td></tr><tr><td>GATX VENTURES, INC.</td><td>03/04/2003</td></tr><tr><td>SEQUEL ENTREPRENEURS' FUND II, L.P.</td><td>03/05/2003</td></tr></tbody></table>		Name	Execution Date	SILICON VALLEY BANK	03/04/2003	GATX VENTURES, INC.	03/04/2003	SEQUEL ENTREPRENEURS' FUND II, L.P.	03/05/2003		
Name	Execution Date										
SILICON VALLEY BANK	03/04/2003										
GATX VENTURES, INC.	03/04/2003										
SEQUEL ENTREPRENEURS' FUND II, L.P.	03/05/2003										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>DPHI ACQUISITIONS, INC.</td></tr><tr><td>Street Address:</td><td>2580 55th Street</td></tr><tr><td>City:</td><td>Boulder</td></tr><tr><td>State/Country:</td><td>COLORADO</td></tr><tr><td>Postal Code:</td><td>80301</td></tr></table>		Name:	DPHI ACQUISITIONS, INC.	Street Address:	2580 55th Street	City:	Boulder	State/Country:	COLORADO	Postal Code:	80301
Name:	DPHI ACQUISITIONS, INC.										
Street Address:	2580 55th Street										
City:	Boulder										
State/Country:	COLORADO										
Postal Code:	80301										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>6950380</td></tr></tbody></table>		Property Type	Number	Patent Number:	6950380						
Property Type	Number										
Patent Number:	6950380										
CORRESPONDENCE DATA											
Fax Number: (949)202-3138											
Email: pia.kamath@haynesboone.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: Haynes and Boone, LLP.											
Address Line 1: 2323 Victory Avenue, Suite 700											
Address Line 4: Dallas, TEXAS 75219											
ATTORNEY DOCKET NUMBER:	70103.1										
NAME OF SUBMITTER:	Jonathan W. Hallman										
Total Attachments: 33 source=6950380#page1.tif											

501757299

PATENT  
REEL: 027390 FRAME: 0483

OP \$40.00 6950380

source=6950380#page2.tif  
source=6950380#page3.tif  
source=6950380#page4.tif  
source=6950380#page5.tif  
source=6950380#page6.tif  
source=6950380#page7.tif  
source=6950380#page8.tif  
source=6950380#page9.tif  
source=6950380#page10.tif  
source=6950380#page11.tif  
source=6950380#page12.tif  
source=6950380#page13.tif  
source=6950380#page14.tif  
source=6950380#page15.tif  
source=6950380#page16.tif  
source=6950380#page17.tif  
source=6950380#page18.tif  
source=6950380#page19.tif  
source=6950380#page20.tif  
source=6950380#page21.tif  
source=6950380#page22.tif  
source=6950380#page23.tif  
source=6950380#page24.tif  
source=6950380#page25.tif  
source=6950380#page26.tif  
source=6950380#page27.tif  
source=6950380#page28.tif  
source=6950380#page29.tif  
source=6950380#page30.tif  
source=6950380#page31.tif  
source=6950380#page32.tif  
source=6950380#page33.tif



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 13, 2005

PTAS

**\*700180725A\*****\*700180725A\***

JON W. HALLMAN  
MACPHERSON, KWOK CHEN & HEID LLP  
1762 TECHNOLOGY DRIVE, SUITE 226  
SAN JOSE, CA 95110

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE 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 PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 05/18/2005

REEL/FRAME: 016253/0202  
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

SILICON VALLEY BANK

DOC DATE: 03/04/2003

## ASSIGNOR:

GATX VENTURES, INC. ("GATX")

DOC DATE: 03/04/2003

## ASSIGNOR:

SEQUEL ENTREPRENEURS' FUND II,  
L.P.

DOC DATE: 03/05/2003

## ASSIGNEE:

DPHI ACQUISITIONS, INC.  
2580 55TH STREET  
BOULDER, COLORADO 80301

016253/0202 PAGE 2

SERIAL NUMBER: 09950512

FILING DATE: 09/10/2001

PATENT NUMBER:

ISSUE DATE:

TITLE: DETECTOR INPUT DARK CURRENT OFFSET CALIBRATION IN AN OPTICAL DISK  
DRIVE DIGITAL SERVO

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

700180725  
RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. Name of conveying parties:

- (a) Silicon Valley Bank
- (b) GATX Ventures, Inc. ("GATX")
- (c) Sequel Entrepreneurs' Fund II, L.P.

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

☐ Yes ☒ No

## 2. Name and address of receiving party:

Name: DPHI Acquisitions, Inc.

Street Address: 2580 55<sup>th</sup> Street

City: Boulder

State: Colorado 80301

Country: U.S.A.

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

☐ Yes ☒ No

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: March 5, 2003

## 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) - 09/950,512, filed 9/10/01

B. Patent No.(s)

Title: Detector Input Dark Current Offset Calibration In An Optical Disk Drive

Additional numbers attached?

☐ Yes ☒ No

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

Name: Jon W. Hallman

Internal Address: MACPHERSON, KWOK CHEN &amp; HEID LLP

Street Address: 1762 Technology Drive, Suite 226

City San Jose State CA Zip 95110

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

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Authorized to be charged to Deposit Account 50-2257.
- ☒ Charge Deposit Account 50-2257 for any additional fees required for this conveyance and credit deposit account 50-2257 any amounts overpaid

DO NOT USE THIS SPACE

## 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.*Jon W. Hallman 42.822  
Name of Person Signing

Signature

May 2006  
Date

Total number of pages comprising cover sheet: 10

PATENT  
REEL: 027390 FRAME: 0487

# Facsimile Transmission

*This company uses RightFAX® fax  
server software from RightFAX, Inc.*

**From:**      **Name:**            USPTO ASSIGNMENT DIVISION  
                 **Fax Number:**  
                 **Voice Phone:** 703-308-9723

**To:**            **Name:**            JON W. HALLMAN  
                 **Company:**    MACPHERSON, KWOK CHEN & HEID LLP  
                 **Fax Number:** 19497527049  
                 **Voice Phone:**

## Fax Notes:

---

Pg#	Description
1	Cover Page
2	957.TXT
4	Document 1, Batch 468684

PTAS FAX PROCESSING

---

Date and time of transmission: Thursday, July 14, 2005 9:56:02 AM  
Number of pages including this cover sheet: 04

*A RightFAX® Communicated Document*

**PATENT**  
**REEL: 027390 FRAME: 0488**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles R. Watt et al.  
Assignee: DPHI Acquisitions, Inc.  
Title: DETECTOR INPUT DARK CURRENT OFFSET CALIBRATION IN  
AN OPTICAL DISK, DRIVE  
Serial No.: 09/950,512 Filing Date: September 10, 2001  
Examiner: Edun, Mohammad N. Group Art Unit: 2655  
Docket No.: M-12102 US Confirmation No. 1606

Irvine, California  
May 13, 2005

Fax No.: 1-703-306-5995

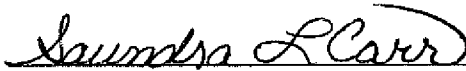
Automated Patent and Trademark Assignment System  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**OFFICIAL COMMUNICATION**

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following the Recordation Form Cover Sheet and Assignment Document are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: May 13, 2005

  
Sandra L. Carr

**TOTAL PAGES INCLUDED:** 11

MacPherson Kwok Chen & Heid LLP  
1762 Technology Drive  
Suite 226  
San Jose, California 95110  
Telephone: (949) 752-7040  
Fax: (408) 392-9262

LAW OFFICES OF  
MACPHERSON KWOK CHEN  
& HEID LLP

1762 TECHNOLOGY DRIVE  
SUITE 226  
SAN JOSE, CA 95110  
(949) 752-7040  
FAX (408) 392-9262

# RECORDATION FORM COVER SHEET PATENTS ONLY

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

<p>1. Name of conveying parties:</p> <p>(a) Silicon Valley Bank</p> <p>(b) GATX Ventures, Inc. ("GATX")</p> <p>(c) Sequel Entrepreneurs' Fund II, L.P.</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. Name and address of receiving party:</p> <p>Name: DPHI Acquisitions, Inc.</p> <p>Street Address: 2580 55<sup>th</sup> Street</p> <p>City: Boulder State: Colorado 80301</p> <p>Country: U.S.A.</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>March 5, 2003</u></p>					
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p> <table border="1"> <tr> <td> <p>A. Patent Application No.(s) – 09/950,512, filed 9/10/01</p> <p>Title: <u>Detector Input Dark Current Offset Calibration In An Optical Disk Drive</u></p> </td> <td> <p>B. Patent No.(s)</p> </td> </tr> </table> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				<p>A. Patent Application No.(s) – 09/950,512, filed 9/10/01</p> <p>Title: <u>Detector Input Dark Current Offset Calibration In An Optical Disk Drive</u></p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s) – 09/950,512, filed 9/10/01</p> <p>Title: <u>Detector Input Dark Current Offset Calibration In An Optical Disk Drive</u></p>	<p>B. Patent No.(s)</p>				
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Jon W. Hallman</u></p> <p>Internal Address: <u>MACPHERSON, KWOK CHEN &amp; HEID LLP</u></p> <p>Street Address: <u>1762 Technology Drive, Suite 226</u></p> <p>City <u>San Jose</u> State <u>CA</u> Zip <u>95110</u></p>		<p>6. Total number of applications and patents involved: <u>One</u></p>			
		<p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Authorized to be charged to Deposit Account 50-2257.</p> <p><input checked="" type="checkbox"/> Charge Deposit Account 50-2257 for any additional fees required for this conveyance and credit deposit account 50-2257 any amounts overpaid</p>			

DO NOT USE THIS SPACE

## 3. 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.

Jon W. Hallman  
Name of Person Signing

42,622

  
Signature

May 2005  
PATENT Date

REEL: 027390 FRAME: 0490 10



# MEMORY TRANSMISSION REPORT

TIME : 05-18-'05 16:15  
FAX NO.1 : 9497527049  
NAME : MKC&H LLP

FILE NO. : 308  
DATE : 05.18 16:11  
TO : USPTO Assignment Division  
DOCUMENT PAGES : 11  
START TIME : 05.18 16:12  
END TIME : 05.18 16:15  
PAGES SENT : 11  
STATUS : OK

\*\*\* SUCCESSFUL TX NOTICE \*\*\*

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles R. Watt et al.  
Assignee: DPHI Acquisitions, Inc.  
Title: DETECTOR INPUT DARK CURRENT OFFSET CALIBRATION IN AN OPTICAL DISK, DRIVE  
Serial No.: 09/950,512 Filing Date: September 10, 2001  
Examiner: Edun, Mohammad N. Group Art Unit: 2655  
Docket No.: M-12102 US Confirmation No. 1606

Irvine, California  
May 13, 2005

Fax No.: 1-703-306-5995

Automated Patent and Trademark Assignment System  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

## OFFICIAL COMMUNICATION

### CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following the Recordation Form Cover Sheet and Assignment Document are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: May 18, 2005

*Saundra L. Carr*  
Saundra L. Carr

TOTAL PAGES INCLUDED: 11

MacPherson Kwok Chen & Heid LLP  
1762 Technology Drive  
Suite 226  
San Jose, California 95110  
Telephone: (949) 752-7040  
Fax: (408) 392-9262

LAW OFFICES OF  
MACPHERSON KWOK CHEN  
& HEID LLP  
1762 TECHNOLOGY DRIVE  
SUITE 226  
SAN JOSE, CA 95110  
(949) 752-7040  
FAX (408) 392-9262

## ASSIGNMENT

This Assignment ("Assignment") is effective as of the date of execution hereof by SILICON VALLEY BANK ("SVB") having a place of business at 3003 Tasman Drive, Santa Clara, California 95054, GATX VENTURES, INC ("GATX") having a place of business at 3687 Mt. Diablo Boulevard, Suite 200, Lafayette, California 94549, and SEQUEL ENTREPRENEURS' FUND II, L.P., in its capacity as Collateral Agent ("Sequel") having a place of business at 4430 Arapahoe Avenue, Suite 220, Boulder, Colorado 80303 (SVB, GATX and Sequel hereinafter collectively referred to as "Assignors"). The rights assigned herein will be owned by DPHI Acquisitions, Inc., a Delaware corporation, (hereinafter "Assignee"), with its principal place of business located at 2580 55<sup>th</sup> Street, Boulder, Colorado 80301.

WHEREAS, Assignors have acquired all rights, title and interest to technologies ("Technology") including, but not limited to, all versions of any software, firmware, hardware, chip layout and design, manufacturing processes, methods and system (including, without limitation, computer applications), ideas, inventions, disclosures, original works of authorship, developments, improvements, modifications, or enhancements, created, acquired and/or developed by or on behalf of DataPlay, Inc., including, without limitation, all object code and source code; all designs, drawings, specifications, models, data, algorithms, documentation, diagrams, flow charts and development plans, know-how and techniques, trade secrets and materials; all derivative works of the foregoing by whomever created (in object code, source code, or any other form and/or any media); and all tangible embodiments of the foregoing (in whatever form or media); and

WHEREAS, Assignors hereby desire to irrevocably assign to Assignee all rights, title and interest in and to the Technology.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors make the following assignment:

1. Assignors hereby irrevocably assign to Assignee all of Assignors' rights, title and interest in and to the Technology, said rights, title and interest including, but not limited to, all patent rights, copyrights, trademark rights, mask rights, trade secret rights and all other intellectual and industrial property rights anywhere in the world thereto, to have and to hold the same unto Assignee, its successors and assigns. In addition, Assignors hereby assign to Assignee and waives any and all moral rights Assignors may have in and to the Technology or any portion thereof.

2. Assignors irrevocably assign to Assignee all of Assignors' rights, title and interest in and to all patent applications and issued patents so derived from the Technology, together with any reissue, continuation, division, continuation-in-part or extension thereof, filed in the United States, as listed in Attachment A, and Internationally, as listed in Attachment B. In addition, Assignors irrevocably assign to Assignee all of Assignors' rights, title and interest in all invention disclosures as listed in Attachment C.

3. At any time, and from time to time after the date of execution of this Assignment, Assignors shall forthwith, upon Assignee's request, take any and all steps to

execute, acknowledge and deliver to Assignee any and all further instruments and assurances necessary or expedient in order to vest the aforesaid rights and causes of action more effectively in Assignee and to facilitate Assignee's enjoyment and enforcement of said rights and causes of action.

4. Assignors hereby constitute and appoint Assignee as Assignors' true and lawful attorney-in-fact, with full power of substitution in Assignors' name and stead, to take any and all steps, including proceedings at law, in equity or otherwise, to execute, acknowledge and deliver any and all instruments and assurances necessary or expedient in order to vest or perfect the aforesaid rights and causes of action more effectively in Assignee or to protect the same or to enforce any claim or right of any kind with respect thereto. This includes, but is not limited to, any rights with respect to the Technology that may accrue or have accrued in Assignors' favor from the respective date of creation of the Technology to the date of this Assignment. Assignors hereby declare that the foregoing power is coupled with an interest and is irrevocable.

5. To the extent, if any, that Assignors retain any right, title or interest with respect to the Technology or rights in any technology or materials that would be infringed by Assignee's use, sale, offer for sale, modification, making, maintenance, support, reproduction or distribution of any of the Technology, Assignors hereby grant to Assignee an exclusive, irrevocable, perpetual, fully paid-up, royalty-free, transferable, sublicensable, worldwide right and license to exploit and exercise all such technology and materials (i) to use, sell, offer to sell, modify, make, maintain, support, reproduce and distribute all or any portion of the Technology including, without limitation, the making of additions to or deletions from the Technology, regardless of the medium (now or hereafter known) into which the Technology may be modified.

6. No waiver of any breach or condition of this Assignment shall be deemed to be a waiver of any other or subsequent breach or condition, whether of like or different nature. If any provision of this Assignment is held by a court of competent jurisdiction to be illegal, invalid or unenforceable, that provision shall be limited or eliminated to the minimum extent necessary so that this Assignment shall otherwise remain in full force and effect and enforceable. This Assignment shall be governed by and construed in accordance with the laws of the State of California applicable to contracts entered into and to be wholly performed within California, without regard to conflicts of laws provisions thereof.

WITHOUT LIMITING IN ANY WAY THE PROVISIONS OF THE ASSET PURCHASE AGREEMENT DATED FEBRUARY 19, 2003, BETWEEN ASSIGNORS AND ASSIGNEE, INCLUDING THE ASSIGNORS' REPRESENTATIONS AND WARRANTIES SET FORTH THEREIN, ALL OF WHICH APPLY TO THIS ASSIGNMENT AND ALL OF WHICH TERMS OF THE ASSET PURCHASE AGREEMENT ARE APPLICABLE TO THIS ASSIGNMENT AND THE CONVEYANCE EFFECTUATED PURSUANT HERETO, ASSIGNORS MAKE NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING, BUT NOT LIMITED TO: THE TITLE TO THE TECHNOLOGY; THE CONDITION, DESIGN, OR QUALITY OF THE TECHNOLOGY; THE FITNESS OF THE TECHNOLOGY FOR USE OR FOR A PARTICULAR PURPOSE; THE MERCHANTABILITY OF THE TECHNOLOGY; COMPLIANCE OF THE

TECHNOLOGY WITH THE REQUIREMENTS OF ANY LAWS, RULES, SPECIFICATIONS OR CONTRACTS PERTAINING THERETO; PATENT INFRINGEMENT; LATENT DEFECTS; THE QUALITY OF THE MATERIAL OR WORKMANSHIP OF THE TECHNOLOGY OR THE CONFORMITY OF THE TECHNOLOGY TO THE PROVISIONS AND SPECIFICATIONS OF ANY PURCHASE ORDER RELATING THERETO; THE OPERATION, USE, OR PERFORMANCE OF THE TECHNOLOGY; OR ANY OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE TECHNOLOGY. ASSIGNEE ALSO ACKNOWLEDGES THAT ASSIGNORS HAVE MADE NO REPRESENTATION OR WARRANTY OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, WITH RESPECT TO THE OPERATION, USE OR PERFORMANCE OF THE TECHNOLOGY.

ASSIGNORS SHALL HAVE NO LIABILITY TO ASSIGNEE OR ANY PERSON WHOMSOEVER (INCLUDING LICENSEES OR PURCHASERS OF ALL OR ANY OF THE TECHNOLOGY) FOR ANY CLAIM, LOSS, DAMAGE OR EXPENSE (INCLUDING ATTORNEY FEES) OF ANY KIND OR NATURE, WHETHER SPECIAL, CONSEQUENTIAL, ECONOMIC OR OTHERWISE, CAUSED OR ALLEGED TO BE CAUSED DIRECTLY, INDIRECTLY, INCIDENTALLY, OR CONSEQUENTIALLY BY THE TECHNOLOGY OR ANY PART THEREOF OR PRODUCTS THEREFROM, BY ANY INADEQUACY OF THE TECHNOLOGY OR DEFECT OR DEFICIENCY THEREIN, BY ANY INCIDENT WHATSOEVER ARISING IN STRICT LIABILITY OR OTHERWISE FROM ASSIGNORS' OR ASSIGNEE'S NEGLIGENCE OR OTHERWISE, OR FOR ANY LOSS OF BUSINESS OR DAMAGE WHATSOEVER AND HOWSOEVER CAUSED, OR ARISING OUT THE TECHNOLOGY.

Assignee acknowledges that Assignors have made no representation or warranty concerning the location of the Technology nor whether all of the Technology is in existence or operational. ASSIGNEE PURCHASES THE TECHNOLOGY AS IS AND WHERESOEVER LOCATED, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND. Assignee accepts the Technology subject to the terms of this Assignment.

Assignee agrees to be responsible for all taxes, that are now existing or hereafter are incurred, assessed, or imposed on the Technology or as a result of the ownership or sale of the Technology, except as expressly provided otherwise in the Asset Purchase Agreement. Assignee hereby agrees to hold Assignors harmless from and against any and all taxes, that are now existing or are hereafter incurred, assessed or imposed on the Technology or as a result of the ownership of the Technology.

[The remainder of this page intentionally left blank]

IN WITNESS WHEREOF, Assignors have caused this Assignment to be signed in Assignors' name.

SILICON VALLEY BANK

Date: 3-4-2003

*Marla Johnson*  
Signature of Assignor

Marla Johnson, Senior Vice President  
Printed Name and Title

GATX VENTURES, INC.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Assignor

\_\_\_\_\_  
Printed Name and Title

SEQUEL ENTREPRENEURS' FUND II, L.P.  
as Collateral Agent

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Assignor

\_\_\_\_\_  
Printed Name and Title

IN WITNESS WHEREOF, Assignors have caused this Assignment to be signed in Assignors' name.

SILICON VALLEY BANK

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Assignor

\_\_\_\_\_  
Printed Name and Title

GATX VENTURES, INC.

Date: 3-4-2003

  
\_\_\_\_\_  
Signature of Assignor

CARL F. SWANSON, VP  
\_\_\_\_\_  
Printed Name and Title

SEQUEL ENTREPRENEURS' FUND II, L.P.  
as Collateral Agent

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Assignor

\_\_\_\_\_  
Printed Name and Title

IN WITNESS WHEREOF, Assignors have caused this Assignment to be signed in Assignors' name.

SILICON VALLEY BANK

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Assignor

\_\_\_\_\_  
Printed Name and Title

GATX VENTURES, INC.

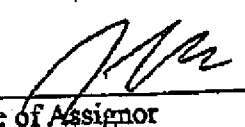
Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Assignor

\_\_\_\_\_  
Printed Name and Title

SEQUEL ENTREPRENEURS' FUND II, L.P.  
as Collateral Agent

Date: 3-5-03

  
\_\_\_\_\_  
Signature of Assignor

John T. GREFF MANAGER  
Printed Name and Title

**ATTACHMENT A**

**United States Patent Applications**



**ATTACHMENT B**

**International Patent Applications**

**ATTACHMENT C**

**Disclosures**

## ATTACHMENT A

### United States Patent Applications

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
<b>M-11807 US</b> <i>Title</i>	09/947,004	United States	9/4/2001
Mechanism And Method For Positioning Data Cartridge In Disk Drive			
<b>M-11806 US</b> <i>Title</i>	09/947,151	United States	9/4/2001
Mechanism And Method For Limiting Ejection Of Data Cartridge From A Disk Drive			
<b>M-8534-2D US</b> <i>Title</i>	09/753,109	United States	12/29/2000
First Surface Optical Data Storage Disk Containing Phase Change Recording Layer and Housed In Cartridge			
<b>M-8534-1D US</b> <i>Title</i>	09/753,356	United States	12/29/2000
First Surface Optical Data Storage Disk Containing Phase Change Recording Layer and Housed In Cartridge			
<b>M-9802 US</b> <i>Title</i>	09/652,975	United States	8/31/2000
Double-Sided Digital Optical Disk and Method and Apparatus for Making			
<b>M-8531 US</b> <i>Title</i>	09/527,982	United States	3/17/2000
Combination Mastered and Writeable Medium and Use in Electronic Book Internet Appliance			
<b>M-9804 US</b> <i>Title</i>	09/666,616	United States	9/20/2000
Micro Lens and Method and Apparatus for Fabricating			
<b>M-8534 US</b> <i>Title</i>	09/315,398	United States	5/20/1999
Removable Optical Storage Device And System			
<b>M-9802-1C US</b> <i>Title</i>	10/290,116	United States	11/6/2002
Double-Sided Digital Optical Disk And Method And Apparatus For Making			
<b>M-12098 US</b> <i>Title</i>	09/950,409	United States	9/10/2001
Tracking, And Focus Servo System With Error Signal Inverse Non-Linearity Calibration			



<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
<b>M-12096 US</b>	09/950,372	United States	9/10/2001

*Title* Digital Servo System With Calibrated Notch Filters

<b>M-12147 US</b>	09/951,475	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* System And Method For Performing A Spin Motor Startup Operation

<b>M-12121 US</b>	09/951,328	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* BEMF Timing System

<b>M-11808 US</b>	09/947,313	United States	9/4/2001
-------------------	------------	---------------	----------

*Title* Mechanism And Method For Opening Shutter Of Data Cartridge In Disk Drive

<b>M-12030 US</b>	09/951,333	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* System And Method For Controlling Operation Of A Disc For Optical Media With Premastered And Read/Write Sectors

<b>M-11095 US</b>	09/950,329	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Close Focus Algorithm In A Digital Focus Servo System

<b>M-11096 US</b>	09/951,930	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Spin Motor Control In An Optical Drive

<b>M-12076 US</b>	09/950,365	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Optical Disk Drive With A digital Focus And Tracking Servo System

<b>M-12027 US</b>	09/951,332	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* System And Method For Detecting And Recovering From An Off-Format State In An Optical Disc Drive

<b>M-12084 US</b>	09/950,441	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Digital Servo System With Feed-Forward Control Loops

<b>M-12023 US</b>	09/951,339	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* System And Method For Coordinating Time Critical And Non-Time Critical Tasks In A Control System For An Optical Disc Drive

<b>M-12077 US</b>	09/950,408	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Shape Control Efforts In A Digital Servo System

<b>M-11098 US</b>	09/951,947	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* System And Method For Controlling Interrupts In A Control System For An Optical Disc Drive

<b>M-12079 US</b>	09/950,394	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Focus Detection In A Digital Focus Servo System

<b>M-11128 US</b>	09/947,111	United States	9/4/2001
-------------------	------------	---------------	----------

*Title* Fringing Field Focus Motor And Mechanism For Optical Disk Drive

<b>M-12081 US</b>	09/950,397	United States	9/10/2001
-------------------	------------	---------------	-----------

*Title* Digital Servo System With Inverse Non-Linearity Compensation



<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
---------------------	--------------------------	--------------------	------------------------

<b>M-12095 US</b> <i>Title</i>	09/950,360	United States	9/10/2001
Calibration Storage Methods For A Digital Focus And Tracking Servo System With Calibration			

<b>M-9115 US</b> <i>Title</i>	09/950,516	United States	9/10/2001
Digital Focus And Tracking Servo System			

<b>M-12108 US</b> <i>Title</i>	09/950,412	United States	9/10/2001
Tracking And Focus Servo System With A Media Type Boundary Crossing Detector			

<b>M-12112 US</b> <i>Title</i>	09/950,540	United States	9/10/2001
Tracking And Focus Servo System With Head Load			

<b>M-12026 US</b> <i>Title</i>	09/951,329	United States	9/10/2001
System And Method For Handling Events In An Optical Disc Drive			

<b>M-12111 US</b> <i>Title</i>	09/950,361	United States	9/10/2001
Tracking And Focus Servo System With Automatic Media Type Detector			

<b>M-12110 US</b> <i>Title</i>	09/950,392	United States	9/10/2001
Calibration Of Focus Error Signal Offset In A Focus Servo System			

<b>M-12109 US</b> <i>Title</i>	09/950,548	United States	9/10/2001
Calibration Of A Focus Error Signal Gain In A Focus Servo System			

<b>M-8726-1P US</b> <i>Title</i>	09/802,708	United States	3/8/2001
Continuous Flexible Connection Method For Miniature Optical Head			

<b>M-8534-3C US</b> <i>Title</i>	10/274,487	United States	10/17/2002
Removable Optical Storage Device And System			

<b>M-8778-2C US</b> <i>Title</i>	10/290,067	United States	11/6/2002
Miniature Optical Disk For Data Storage			

<b>M-8531-2C US</b> <i>Title</i>	10/290,053	United States	11/6/2002
Optical Recording Medium Including Licensed Information			

<b>M-9804-1C US</b> <i>Title</i>	10/278,719	United States	10/22/2002
Micro Lens And Method And Apparatus For Fabricating			

<b>M-8375-1C US</b> <i>Title</i>	10/290,066	United States	11/6/2002
Asynchronous Input/Output Interface			

<b>M-11533-1C US</b> <i>Title</i>	10/300,207	United States	11/19/2002
Disk Carrier			

<b>M-8381-1C US</b> <i>Title</i>	10/299,950	United States	11/18/2002
Defect Management System for Write-Once Storage Disk			

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
---------------------	--------------------------	--------------------	------------------------

<b>M-8746-3C US</b> <i>Title</i> Low Profile And Medium Protecting Cartridge Assembly	10/285,387	United States	10/30/2002
--	------------	---------------	------------

<b>M-8532-2C US</b> <i>Title</i> Content Distribution Method And Apparatus	10/290,442	United States	11/6/2002
---	------------	---------------	-----------

<b>M-11969-1C US</b> <i>Title</i> Disk Drive Actuator And Method Of Making Same	10/360,725	United States	11/27/2002
--	------------	---------------	------------

<b>M-11533-1C US</b> <i>Title</i> Disk Carrier	10/300,207	United States	11/19/2002
---	------------	---------------	------------

<b>M-8377-1C US</b> <i>Title</i> Method And Apparatus For Emulating Read/Write File System On A Write-Once Data Storage Disk	10/293,893	United States	11/12/2002
---	------------	---------------	------------

<b>M-8531-1D US</b> <i>Title</i> Combination Mastered And Writeable Medium And Use In Electronic Internet Appliance	09/721,587	United States	11/21/2000
--	------------	---------------	------------

<b>M-9998-1P US</b> <i>Title</i> Optical Data Storage With Enhanced Contrast	09/854,333	United States	5/11/2001
---	------------	---------------	-----------

<b>M-8532-1P US</b> <i>Title</i> Flexible Content Distribution Method And Apparatus	09/489,084	United States	1/21/2000
--	------------	---------------	-----------

<b>M-8745-1P US</b> <i>Title</i> Tilt Focus Method And Mechanism For An Optical Drive	09/815,377	United States	3/21/2001
--	------------	---------------	-----------

<b>M-12078 US</b> <i>Title</i> Close Tracking Algorithm In A Digital Tracking Servo System	09/950,444	United States	9/10/2001
---	------------	---------------	-----------

<b>M-9796 US</b> <i>Title</i> Device And Method For Detecting Cartridge Readiness To Load In A Data Storage System	09/946,071	United States	9/4/2001
---	------------	---------------	----------

<b>DM-196 US</b> <i>Title</i> Cartridge Protective Case	29/163,408	United States	7/3/2002
--	------------	---------------	----------

<b>DM-186 US</b> <i>Title</i> Cartridge For Data Storage Disk	29/160,536	United States	5/10/2002
--	------------	---------------	-----------

<b>M-8377 US</b> <i>Title</i> Method and Apparatus for Emulating Read/Write File System on a Write-Once Storage Disk	09/583,133	United States	5/30/2000
---	------------	---------------	-----------

<b>M-8374 US</b> <i>Title</i> File System Management Embedded in a Storage Device	09/539,841	United States	3/31/2000
--	------------	---------------	-----------

<b>M-8383 US</b> <i>Title</i> System and Method for Aligning Components of Optical Head	09/544,370	United States	4/6/2000
--	------------	---------------	----------

<b>DocketNumber</b>	<b>ApplicationNumber</b>	<b>CountryName</b>	<b>ApplicationDate</b>
<b>M-8381 US</b> <b>Title</b> Defect Management System for Write-Once Storage Disk	09/583,390	United States	5/30/2000
<b>M-8375 US</b> <b>Title</b> Asynchronous Input/Output Interface Protocol	09/539,842	United States	3/31/2000
<b>M-8532 US</b> <b>Title</b> Content Distribution Method and Apparatus	09/393,899	United States	9/10/1999
<b>M-8746 US</b> <b>Title</b> Low Profile and Medium Protecting Cartridge Assembly	09/548,128	United States	4/12/2000
<b>M-11533 US</b> <b>Title</b> Disk Carrier	09/920,004	United States	7/31/2001
<b>M-11969 US</b> <b>Title</b> Disk Drive Actuator And Method Of Making Same	09/815,293	United States	3/21/2001
<b>M-8379 US</b> <b>Title</b> Structure And Method For Storing Data On Optical Disks	09/542,681	United States	4/3/2000
<b>M-8729 US</b> <b>Title</b> Crimping Tool For Metal Hub Plate	09/745,597	United States	12/21/2000
<b>M-8376 US</b> <b>Title</b> Method Of Decrypting Data Stored On A Storage Device Using An Embedded Encryption/Decryption Means	09/583,452	United States	5/30/2000
<b>M-12015 US</b> <b>Title</b> Inner Region Identifier For Optical Disk	10/106,475	United States	3/25/2002
<b>M-11812 US</b> <b>Title</b> Focus Stop For Limiting Actuator Assembly Focus Travel	09/945,914	United States	9/4/2001
<b>M-11962 US</b> <b>Title</b> Protective Enclosure For Data Storage Cartridge	10/095,150	United States	3/8/2002
<b>M-12032 US</b> <b>Title</b> System And Method For Controlling Spin Speed Of Media In An Optical Disc Drive	09/951,156	United States	9/10/2001
<b>M-12039 US</b> <b>Title</b> System And Method For Identifying Vendors Of Hidden Content	09/940,025	United States	8/27/2001
<b>M-12040 US</b> <b>Title</b> Unlocking Method And System For Data On Media	09/940,035	United States	8/27/2001
<b>M-12042 US</b> <b>Title</b> Revocation Method And Apparatus For Secure Content	09/939,896	United States	8/27/2001
<b>M-11814 US</b> <b>Title</b> Method For Aligning Actuator Assembly To A Base In A Miniature Optical Disk Drive	09/946,075	United States	9/4/2001



<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-8535 US	09/457,104	United States	12/7/1999

*Title* Low Profile Optical Head

M-9998 US	09/764,042	United States	1/16/2001
-----------	------------	---------------	-----------

*Title* First-Side Dual-Layer Optical Data Storage Disk And Method Of Manufacturing The Same

M-12139 US	09/900,722	United States	7/6/2001
------------	------------	---------------	----------

*Title* Facial Contact Lens System For Laser Diode

M-9848 US	09/846,042	United States	5/1/2001
-----------	------------	---------------	----------

*Title* Optical Pick Up Unit Assembly Process

M-12038 US	09/940,174	United States	8/27/2001
------------	------------	---------------	-----------

*Title* System And Method For Detecting Unauthorized Copying Of Encrypted Data

M-12013 US	10/085,682	United States	2/26/2002
------------	------------	---------------	-----------

*Title* A Dual Density Disk With Associated Propertie

M-11628 US	10/056,927	United States	1/24/2002
------------	------------	---------------	-----------

*Title* Use Of Mother Stamper For Optical Disk Molding

M-12043 US	09/939,960	United States	8/27/2001
------------	------------	---------------	-----------

*Title* Mastering Process And System For Secure Content



M-11585 US	09/872,060	United States	6/1/2001
------------	------------	---------------	----------

*Title* Error Correction Code Block Format

M-11478 US	09/846,052	United States	5/1/2001
------------	------------	---------------	----------

*Title* Objective Lens Alignment In Optical Pickup Unit Assembly

M-11815 US	09/946,015	United States	9/4/2001
------------	------------	---------------	----------

*Title* Device And Method For Mounting A Spindle Motor To A Base In A Miniature Optical Disk Drive

M-12024 US	09/951,469	United States	9/10/2001
------------	------------	---------------	-----------

*Title* System And Method For Controlling Time Critical Operations In A Control System For An Optical Disc Drive

M-12041 US	09/940,026	United States	8/27/2001
------------	------------	---------------	-----------

*Title* Host Certification Method And System

M-8378 US	09/583,448	United States	5/30/2000
-----------	------------	---------------	-----------

*Title* Format For Recording Data On A Storage Disk

M-8380 US	09/552,288	United States	4/19/2000
-----------	------------	---------------	-----------

*Title* Power Management For Optical Drives

M-8745 US	09/557,284	United States	4/24/2000
-----------	------------	---------------	-----------

*Title* Tilt Focus Method And Mechanism For An Optical Drive

M-8730 US	09/745,399	United States	12/21/2000
-----------	------------	---------------	------------

*Title* Disk Hub Centering Method



<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-8727 US	09/675,572	United States	9/29/2000

*Title* Disk Storage And Handling Magazine

**PATENT**

**REEL: 027390 FRAME: 0506**





**M-8726 US** 09/679,941 United States 10/4/2000  
**Title** Continuous Flexible Connection Method For Miniature Optical Head

**M-8725 US** 09/680,106 United States 10/4/2000  
**Title** Laser Thermal Management System

**M-8382 US** 09/542,510 United States 4/3/2000  
**Title** Digital Rights Management Within An Embedded Storage Device

**M-11681 US** 09/945,944 United States 9/4/2001  
**Title** Mechanism For Limiting Actuator Assembly Movement In A Data Storage/Retrieval System

**M-9793 US** 09/940,083 United States 8/27/2001  
**Title** Secure Access Method And System

**M-9803 US** 09/666,627 United States 9/20/2000  
**Title** Method And Apparatus For Compensating Optical Disks For Effects Of Thin Films

**M-8778 US** 09/560,781 United States 4/28/2000  
**Title** Miniature Optical Disk for Data Storage

**M-11097 US** 09/950,398 United States 9/10/2001  
**Title** Digital Focus And Tracking Servo System With Multi-Zone Calibration



**M-8746-1P US** 09/730,647 United States 12/5/2000  
**Title** Low Profile Cartridge For Data Storage Disk

**M-12177 US** 09/951,940 United States 9/10/2001  
**Title** System And Method For Controlling Focus In An Optical Disc Drive

**M-9998-2P US** 10/107,854 United States 3/25/2002  
**Title** Double-Sided Hybrid Optical Disk With Surface Topology

**M-12090 US** 09/950,331 United States 9/10/2001  
**Title** Digital Tracking Servo System With Multi-Track Seek With Track Zero Crossing Period Integrity Test

**M-12092 US** 09/950,376 United States 9/10/2001  
**Title** Digital Focus And Tracking Servo System With One-Track Jump

**M-12089 US** 09/950,513 United States 9/10/2001  
**Title** Digital Tracking Servo System With Multi-Track Seek With Track Zero Crossing Detection

**M-12083 US** 09/950,410 United States 9/10/2001  
**Title** Digital Tracking Servo System With Tracking Skate Detection

**M-12088 US** 09/950,378 United States 9/10/2001  
**Title** Digital Tracking Servo System With Multi-Track Seeking With An Acceleration Clamp



**DocketNumber****ApplicationNumber****CountryName****ApplicationDate****M-12087 US**

09/950,414

United States

9/10/2001

**Title**

Loop

Digital Tracking Servo System With A Multi-Track Seeking And Accelerated Servo Function For Regaining A Closed Tracking

**M-12031 US**

09/951,331

United States

9/10/2001

**Title**

System And Method For Controlling Tracking And Seeking In An Optical Disc Drive

**M-12086 US**

09/950,425

United States

9/10/2001

**Title**

Digital Tracking Servo System With Multi-Track Seek

**M-12085 US**

09/950,373

United States

9/10/2001

**Title**

Digital Tracking And Focus Servo system With A DSP Architecture

**M-12082 US**

09/950,914

United States

9/10/2001

**Title**

Digital Servo System With Second Order Compensator

**M-11813 US**

09/946,038

United States

9/4/2001

**Title**

Eccentric CAM For Limiting Actuator Tracking

**M-12025 US**

09/951,337

United States

9/10/2001

**Title**

System And Method For Recovering From Performance Errors In An Optical Disc Drive

**M-12028 US**

09/951,931

United States

9/10/2001

**Title**

System And Method For Handling Commands In An Optical Disc Drive

**M-12029 US**

09/951,850

United States

9/10/2001

**Title**

System And Method For Dynamically Re-Calibrating An Optical Disc Drive

**M-8535-1P US**

09/540,657

United States

3/31/2000

**Title**

Low Profile Optical Head

**M-12091 US**

09/950,395

United States

9/10/2001

**Title**

Digital Servo System With Biased Feed-Forward

**M-8535-2P US**

09/764,026

United States

1/16/2001

**Title**

Beamshaper For Optical Head

**M-12099 US**

09/950,520

United States

9/10/2001

**Title**

Calibration Of Tracking Error Signal Gain In A Tracking Servo System

**M-12195 US**

09/950,519

United States

9/10/2001

**Title**

Digital Servo System With Loop Gain Calibration

**M-12093 US**

09/950,393

United States

9/10/2001

**Title**

Digital Tracking Servo System With Off-Format Detection

**M-12100 US**

09/950,377

United States

9/10/2001

**Title**

Calibration Of Tracking Error Signal Offset In A Tracking Servo System

**M-12103 US**

09/950,415

United States

9/10/2001

**Title**

Detector Input Stray Light Offset Calibration In An Optical Disc Drive

**PATENT****REEL: 027390 FRAME: 0508**

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
<b>M-8536 US</b> <i>Title</i> Writeable Medium Access Control Using A Medium Writeable Area	09/393,150	United States	9/10/1999
<b>M-12104 US</b> <i>Title</i> Tracking And Focus Servo System With Anti-Skate Algorithm	09/950,432	United States	9/10/2001
<b>M-12105 US</b> <i>Title</i> Tracking And Focus Servo System With Defect Detection	09/950,379	United States	9/10/2001
<b>M-12106 US</b> <i>Title</i> Tracking And Focus Servo System With Direction Sensor	09/950,515	United States	9/10/2001
<b>M-12107 US</b> <i>Title</i> Tracking And Focus Servo System With Write Abort	09/950,411	United States	9/10/2001
<b>M-12117 US</b> <i>Title</i> CLV System And Method Of Using PSA	09/951,108	United States	9/10/2001
<b>M-12094 US</b> <i>Title</i> Digital Tracking And Focus Servo System With TES to FES Crosstalk Calibration	09/950,396	United States	9/10/2001
<b>M-12118 US</b> <i>Title</i> Slew System And Method	09/951,869	United States	9/10/2001
<b>M-12097 US</b> <i>Title</i> Calibration Initiation Methods For A Tracking And Focus Servo System	09/950,541	United States	9/10/2001
<b>M-12102 US</b> <i>Title</i> Detector Input Dark Current Offset Calibration In An Optical Disk Drive	09/950,512	United States	9/10/2001
<b>M-12101 US</b> <i>Title</i> Calibration Of Focus Sum Threshold In A Focus Servo System	09/950,367	United States	9/10/2001
<b>M-12122 US</b> <i>Title</i> PMAD/PSA Digital Feedback System	09/951,325	United States	9/10/2001
<b>M-12155 US</b> <i>Title</i> Focus Servo System With A Sliding Notch Filter	09/950,514	United States	9/10/2001
<b>M-12119 US</b> <i>Title</i> Kp And Ki Lookup System And Method	09/951,330	United States	9/10/2001
<b>M-12080 US</b> <i>Title</i> Digital Servo System With Error Signal Integrity Testing	09/950,413	United States	9/10/2001
<b>M-12120 US</b> <i>Title</i> System And Method For Controlling Laser Power In An Optical Disc Drive	09/951,340	United States	9/10/2001
<b>M-11682 US</b> <i>Title</i> Data Cartridge Load/Unload Mechanism For Disk Drive	09/946,845	United States	09/04/2001

## ATTACHMENT B

### International Patent Applications

<i>DocketNumber</i>	<i>Application/Patent Number</i>	<i>CountryName</i>	<i>ApplicationDate</i>
<b>M-8532-1P KR</b> <i>Title</i> Flexible Content Distribution Method And Apparatus	7009303/2002	South Korea	
<b>M-8534 CN</b> <i>Title</i> Removable Optical Storage Device And System	00810553.7	China P.R.	5/18/2000
<b>M-8536 KR</b> <i>Title</i> Writeable Medium Access Control Using A Medium Writeable Area	7003184/2002	South Korea	9/7/2000
<b>M-8532 KR</b> <i>Title</i> Content Distribution Method And Apparatus	7003183/2002	South Korea	9/7/2000
<b>M-8532 MX</b> <i>Title</i> Content Distribution Method And Apparatus	PA/A/2002/002609	Mexico	9/7/2000
<b>M-8531 KR</b> <i>Title</i> Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance	7016483/2001	South Korea	6/22/2000
<b>M-8534 KR</b> <i>Title</i> Removable Optical Storage Device And System	7014796/2001	South Korea	5/18/2000
<b>M-11478 WO</b> <i>Title</i> Objective Lens Alignment In Optical Pickup Unit Assembly	PCT/US02/13867	Patent Cooperation Treaty	5/2/2002
<b>M-8532-1P MX</b> <i>Title</i> Flexible Content Distribution Method And Apparatus	PA/A/2002/007151	Mexico	1/18/2001
<b>M-8532-1P SG</b> <i>Title</i> Flexible Content Distribution Method And Apparatus	200204309-9	Singapore	1/18/2001
<b>M-8534 CA</b> <i>Title</i> Removable Optical Storage Device And System	2,371,370	Canada	5/18/2000
<b>M-9998-2P WO</b> <i>Title</i> A Double Sided Hybrid Optical Disk with Surface Topology	PCT/US02/13865	Patent Cooperation Treaty	5/2/2002
<b>M-8375 WO</b> <i>Title</i> Asynchronous Input/Output Interface Protocol.	PCT/US01/09907	Patent Cooperation Treaty	3/28/2001
<b>M-8376 WO</b> <i>Title</i> Method Of Decrypting Data Stored On A Storage Device Using An Embedded Encryption/Decryption Means	PCT/US01/17245	Patent Cooperation Treaty	5/25/2001
<b>M-9804 WO</b> <i>Title</i> Micro Lens And Method and Apparatus For Fabricating	PCT/US01/28063	Patent Cooperation Treaty	9/7/2001
<b>M-9115 WO</b> <i>Title</i> Optical Disk Drive With Digital Focus And Tracking Servo System	PCT/US02/02221	Patent Cooperation Treaty	1/22/2002

<b>M-8532 WO</b>	PCT/US00/24717	Patent Cooperation Treaty	9/7/2000
<i>Title</i>	Content Distribution Method And Apparatus		
<b>M-8532-1P WO</b>	PCT/US01/02112	Patent Cooperation Treaty	1/18/2001
<i>Title</i>	Flexible Content Distribution Method And Apparatus		
<b>M-8726 WO</b>	PCT/US01/30580	Patent Cooperation Treaty	9/28/2001
<i>Title</i>	Continuous Flexible Connection Method For Miniature Optical Head		
<b>M-8745-1P WO</b>	PCT/US02/08562	Patent Cooperation Treaty	3/19/2002
<i>Title</i>	Tilt Focus Method And Mechanism For An Optical Drive		
<b>M-8730 WO</b>	PCT/US01/50234	Patent Cooperation Treaty	12/19/2001
<i>Title</i>	Disk Hub Centering Method		
<b>M-11969 WO</b>	PCT/US02/08556	Patent Cooperation Treaty	3/19/2002
<i>Title</i>	Disk Drive Actuator And Method Of Making Same		
<b>M-9998-1P WO</b>	PCT/US02/00824	Patent Cooperation Treaty	1/9/2002
<i>Title</i>	Optical Data Storage Media With Enhanced Contrast		
<b>M-9793 WO</b>	PCT/US02/27303	Patent Cooperation Treaty	8/26/2002
<i>Title</i>	A Secure Access Method And System		
<b>M-9998 WO</b>	PCT/US02/00828	Patent Cooperation Treaty	1/9/2002
<i>Title</i>	First-Side Dual-Layer Optical Data Storage Disk And Method Of Manufacturing The Same		
<b>M-11585 WO</b>	PCT/US02/15704	Patent Cooperation Treaty	5/15/2002
<i>Title</i>	Error Correction Code Block Format		
<b>M-9803 WO</b>	PCT/US01/42250	Patent Cooperation Treaty	9/19/2001
<i>Title</i>	Method And Apparatus For Compensating Optical Disks For Effects Of Thin Films		
<b>M-11096 WO</b>	PCT/US02/01841	Patent Cooperation Treaty	1/18/2002
<i>Title</i>	Spin-Motor Control In An Optical Drive		
<b>M-9848 WO</b>	PCT/US02/11708	Patent Cooperation Treaty	5/1/2001
<i>Title</i>	Optical Pickup Unit Assembly Process		
<b>M-11533 WO</b>	PCT/US02/23837	Patent Cooperation Treaty	7/26/2002
<i>Title</i>	Disk Carrier		
<b>M-8381 WO</b>	PCT/US01/17494	Patent Cooperation Treaty	5/29/2001
<i>Title</i>	Defect Management System For Write-Once Storage Disk		
<b>M-8377 WO</b>	PCT/US01/17493	Patent Cooperation Treaty	5/29/2001
<i>Title</i>	Method And Apparatus For Emulating Read/Write File System On A Write-Once Data Storage Disk		
<b>M-8378 WO</b>	PCT/US01/17621	Patent Cooperation Treaty	5/30/2001
<i>Title</i>	Format For Recording Data On A Storage Disk		
<b>M-9802 WO</b>	PCT/US01/27036	Patent Cooperation Treaty	8/29/2001
<i>Title</i>	Double-Sided Digital Optical Disk And Method And Apparatus For Making		

<b>M-8374 EP</b>	01926462.1	European Patent Convention	3/28/2001
<b>Title</b>	File System Management Embedded In A Storage Device		
<b>M-8534 EP</b>	00932592.9	European Patent Convention	5/18/2000
<b>Title</b>	Removable Optical Storage Device And System		
<b>M-8380 TW</b>	90109331	Taiwan	4/18/2001
<b>Title</b>	Power Management for Optical Drives		
<b>M-8379 TW</b>	90107265163246	Taiwan	9/11/2002
<b>Title</b>	Structure And Method For Storing Data On Optical Disks		
<b>M-8532-1P TW</b>	90101187163133	Taiwan	9/10/2002
<b>Title</b>	Flexible Content Distribution Method And Apparatus		
<b>M-8532 CA</b>	2,384,680	Canada	9/7/2000
<b>Title</b>	Content Distribution Method And Apparatus		
<b>M-8531 CA</b>	2,374,173	Canada	6/22/2000
<b>Title</b>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
<b>M-8532-1P CA</b>	2,397,777	Canada	1/18/2001
<b>Title</b>	Flexible Content Distribution Method And Apparatus		
<b>M-8531 SG</b>	200107743-7	Singapore	12/14/2001
<b>Title</b>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
<b>M-9998-2P SG</b>	Awaiting Receipt	Singapore	1/10/2003
<b>Title</b>	A Double-Sided Hybrid Optical Disk With Surface Topology		
<b>M-9998-2P CN</b>	Awaiting Receipt	China P.R.	
<b>Title</b>	A Double-Sided Hybrid Optical Disk With Surface Topology		
<b>M-8531 CN</b>	00809435.7	China P.R.	6/22/2000
<b>Title</b>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
<b>M-8532-1P CN</b>	01805910.4	China P.R.	1/18/2001
<b>Title</b>	Flexible Content Distribution Method And Apparatus		
<b>M-8532 CN</b>	00814433.8	China P.R.	9/7/2000
<b>Title</b>	Content Distribution Method And Apparatus		
<b>M-8375 TW</b>	90107566	Taiwan	5/29/2001
<b>Title</b>	Asynchronous Input/Output Interface Protocol		
<b>M-8746 TW</b>	90108476	Taiwan	6/14/2001
<b>Title</b>	Low Profile and Medium Protecting Cartridge Assembly		
<b>M-8378 TW</b>	90112821	Taiwan	8/24/2001
<b>Title</b>	Format for Recording Data on a Storage Disk		
<b>M-8374 TW</b>	90107565	Taiwan	5/29/2001
<b>Title</b>	File System Management Embedded In A Storage Device		

M-8778-1P TW 90109690 Taiwan 4/28/2000  
*Title* Magnetic Hub Assembly For Data Storage Disk

M-8746-1P TW 90108699 Taiwan 4/11/2001  
*Title* Low Profile Cartridge For Data Storage Disk

M-8535-1P TW 89125819 Taiwan 3/31/2000  
*Title* Low Profile Optical Head

M-8377 TW 90112823 Taiwan 5/30/2000  
*Title* Method And Apparatus For Emulating Read/Write File System On A Write-Once Data Storage Disk

M-9793 TW 91119311 Taiwan 8/26/2002  
*Title* A Secure Access Method And System

M-9804 TW 90122393 Taiwan 9/20/2000  
*Title* Micro Lens And Method And Apparatus For Fabricating

M-8778 TW 901096989 Taiwan 4/28/2000  
*Title* Miniature Optical Disk For Data Storage

M-11533 TW 91116633 Taiwan 7/31/2001  
*Title* Disk Carrier

M-9998-1P TW 91100211 Taiwan 1/16/2001  
*Title* Optical Data Media With Enhanced Contrast

M-11681 TW 91119979 Taiwan 9/4/2001  
*Title* Optical Disk Drive Actuator Assembly

M-9802 TW 90121232 Taiwan 8/31/2000  
*Title* Double-Sided Digital Optical Disk And Method And Apparatus For Making

M-9803 TW 90123255 Taiwan 9/20/2001  
*Title* Method And Apparatus For Compensating Optical Disks For Effects Of Thin Films

M-9115 TW 91101100 Taiwan 1/25/2001  
*Title* Digital Focus And Tracking Servo System With Multi-Zone Calibration

M-11096 TW 91100909 Taiwan 1/25/2001  
*Title* Spin Motor Control In An Optical Drive

M-11098 TW 91100910 Taiwan 1/25/2001  
*Title* System And Method For Controlling An Optical Disc Drive

M-9848 TW 91107661 Taiwan 5/1/2001  
*Title* Optical Pickup Unit Assembly Process

M-9998 TW 91100212 Taiwan 1/16/2001  
*Title* First-Side Dual-Layer Optical Data Storage Disk And Method Of Manufacturing The Same

M-11478 TW 91108600 Taiwan 5/1/2001  
*Title* Objective Lens Alignment In Optical Pickup Unit Assembly

M-9998-2P TW 91109394 Taiwan 5/11/2001

*Title* A Double Sided Hybrid Optical Disk With Surface Topology

M-8376 TW 90112447163260 Taiwan 5/30/2000

*Title* Method Of Decrypting Data Stored On A Storage Device Using An Embedded Encryption/Decryption Means

M-9998-2P KR 7000443/2003 South Korea 1/11/2003

*Title* A Double-Sided Hybrid Optical Disk With Surface Topology

M-8374 KR 7012836/2002 South Korea 3/28/2001

*Title* File System Management Embedded In A Storage Device

M-8535-1P KR 7009926/2003 South Korea 12/5/2000

*Title* Low Profile Optical Head

M-11628 TW Awaiting Receipt Taiwan

*Title* Use Of Mother Stamper For Optical Disk Molding

M-8382 TW 90107967 Taiwan 4/3/2000

*Title* Digital Rights Management Within An Embedded Storage Device

M-8531 TW 89112417 Taiwan 6/23/1999

*Title* Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance

M-8532 TW 89118490156979 Taiwan 9/10/1999

*Title* Content Distribution Method And Apparatus

M-8534 TW 89109720 Taiwan 8/21/2000

*Title* First Surface Optical Data Storage Disk Containing Phase Change Recording Layer and Housed in Cartridge

M-8536 EP 00961729.1 European Patent Convention 9/7/2000

*Title* Writeable Medium Access Control Using A Medium Writeable Area

M-8535-1P EP 00982448.3 European Patent Convention 12/5/2000

*Title* Low Profile Optical Head

M-8532-1P EP 01904989.9 European Patent Convention 1/18/2001

*Title* Flexible Content Distribution Method And Apparatus

M-8531 EP 00943104.0 European Patent Convention 6/22/2000

*Title* Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance

M-8532 EP 00961702.8 European Patent Convention 9/7/2000

*Title* Content Distribution Method And Apparatus

M-8374 JP Japan

*Title* File System Management Embedded In A Storage Device

M-8532 JP 2001-522467 Japan 9/7/2000

*Title* Content Distribution Method And Apparatus

M-8532-1P JP 2001-553301 Japan 1/18/2001

*Title* Flexible Content Distribution Method And Apparatus



<b>M-8534 JP</b>	2000-620625	Japan	5/18/2000
<b>Title</b>	Removable Optical Storage Device And System		
<b>M-8531 JP</b>	2001-505008	Japan	6/22/2000
<b>Title</b>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
<b>M-8535-1P JP</b>	2001-543729	Japan	12/5/2000
<b>Title</b>	Low Profile Optical Head		
<b>M-8535-1P AU</b>	19475/01	Australia	12/5/2000
<b>Title</b>	Low Profile Optical Head		
<b>M-8532 AU</b>	73620/00	Australia	9/7/2000
<b>Title</b>	Content Distribution Method and Apparatus		
<b>M-8536 AU</b>	73644/00	Australia	9/7/2000
<b>Title</b>	Writeable Medium Access Control Using a Medium Writeable Area		
<b>M-8531 AU</b>	57622/00	Australia	6/22/2000
<b>Title</b>	Combination Mastered and Writeable Medium and Use in Electronic Book Internet Appliance		
<b>M-8532-1P AU</b>	32913/01	Australia	1/18/2001
<b>Title</b>	Flexible Content Distribution Method and Apparatus		
<b>M-8534 AU</b>	50290/00	Australia	5/18/2000
<b>Title</b>	Removable Optical Storage Device and System		
<b>M-8532 SG</b>	200201325-8	Singapore	9/7/2000
<b>Title</b>	Content Distribution Method And Apparatus		
<b>M-8534 SG</b>	200107137-2	Singapore	5/18/2000
<b>Title</b>	Removable Optical Storage Device And System		
<b>M-8534-MX</b>	PA/A/2001/011917	Mexico	5/18/2000
<b>Title</b>	Removable Optical Storage Device And System		
<b>M-8531 MX</b>	PA/A/2002/000121	Mexico	6/22/2000
<b>Title</b>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
<b>M-8383 TW</b>	90107779	Taiwan	3/30/2001
<b>Title</b>	System And Method For Aligning Components Of Optical Head		
<b>M-9802 EP</b>	Awaiting Receipt	Europe	08/29/2001
<b>Title</b>	Double-Sided Digital Optical Disk And Method And Apparatus For Making		
<b>M-12013 WO</b>	Awaiting Receipt	PCT	02/26/2003
<b>Title</b>	Dual Density Disc With Associated Properties		
<b>M-12013 TW</b>	Awaiting Receipt	Taiwan	02/26/2002
<b>Title</b>	Dual-Density Disc With Associated Properties		
<b>M-8535-2P WO</b>	PCT/US02/00875	PCT	01/09/2002
<b>Title</b>	Beamshaper For Optical Head		

M-8746-1P WO

PCT/US02/08562

PCT

03/19/2002

*Title*

Low Profile And Medium Protecting Cartridge Assembly

PATENT

REEL: 027390 FRAME: 0516

## ATTACHMENT C

### Disclosures

<i>DocketNumber</i>	<i>Status</i>	<i>Country</i>
M-11534 US	DISCLOSED	United States
<i>Title</i>	Method For Creating, Or "Premastering" The File System For A DataPlay Disc Using A Computer	
M-11949 US	DISCLOSED	United States
<i>Title</i>	Track Crossing Direction Determination a	
M-11627 US	DISCLOSED	United States
<i>Title</i>	Quad Film Structure For First Surface Optical Medium	
M-11950 US	DISCLOSED	United States
<i>Title</i>	Eject Limiter Lever	

PATENT

RECORDED: 12/15/2011

REEL: 027390 FRAME: 0517