

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the missing text for Exhibits A-C for the assignment previously recorded on Reel 015384 Frame 0672. Assignor(s) hereby confirms the Assignment of Assignors' interest.

CONVEYING PARTY DATA

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

Name:	DPHI ACQUISITIONS, INC.
Street Address:	2580 55th Street
City:	Boulder
State/Country:	COLORADO
Postal Code:	80301

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	6885619

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	70103.1
NAME OF SUBMITTER:	Jonathan W. Hallman

Total Attachments: 31

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**PATENT
 REEL: 027390 FRAME: 0189**

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PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

**11/22/2004
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

Name:	DPHI Acquisitions, Inc.
Street Address:	2580 55th Street
City:	Boulder
State/Country:	COLORADO
Postal Code:	80301

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	09950415

CORRESPONDENCE DATA

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Address Line 4: San Jose, CALIFORNIA 95110

NAME OF SUBMITTER:	Jonathan W. Hallman
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Total Attachments: 9
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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 55th 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.

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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.

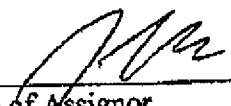
Date: _____

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

PATENT

REEL: 027390 FRAME: 0202

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-12096 US <i>Title</i>	09/950,372 Digital Servo System With Callbrated Notch Filters	United States	9/10/2001
M-12147 US <i>Title</i>	09/951,475 System And Method For Performing A Spin Motor Startup Operation	United States	9/10/2001
M-12121 US <i>Title</i>	09/951,328 BEMF Timing System	United States	9/10/2001
M-11808 US <i>Title</i>	09/947,313 Mechanism And Method For Opening Shutter Of Data Cartridge In Disk Drive	United States	9/4/2001
M-12030 US <i>Title</i>	09/951,333 System And Method For Controlling Operation Of A Disc For Optical Media With Premastered And Read/Write Sectors	United States	9/10/2001
M-11095 US <i>Title</i>	09/950,329 Close Focus Algorithm In A Digital Focus Servo System	United States	9/10/2001
M-11096 US <i>Title</i>	09/951,930 Spin Motor Control In An Optical Drive	United States	9/10/2001
M-12076 US <i>Title</i>	09/950,365 Optical Disk Drive With A digital Focus And Tracking Servo System	United States	9/10/2001
M-12027 US <i>Title</i>	09/951,332 System And Method For Detecting And Recovering From An Off-Format State In An Optical Disc Drive	United States	9/10/2001
M-12084 US <i>Title</i>	09/950,441 Digital Servo System With Feed-Forward Control Loops	United States	9/10/2001
M-12023 US <i>Title</i>	09/951,339 System And Method For Coordinating Time Critical And Non-Time Critical Tasks In A Control System For An Optical Disc Drive	United States	9/10/2001
M-12077 US <i>Title</i>	09/950,408 Shape Control Efforts In A Digital Servo System	United States	9/10/2001
M-11098 US <i>Title</i>	09/951,947 System And Method For Controlling Interrupts In A Control System For An Optical Disc Drive	United States	9/10/2001
M-12079 US <i>Title</i>	09/950,394 Focus Detection In A Digital Focus Servo System	United States	9/10/2001
M-11128 US <i>Title</i>	09/947,111 Fringing Field Focus Motor And Mechanism For Optical Disk Drive	United States	9/4/2001
M-12081 US <i>Title</i>	09/950,397 Digital Servo System With Inverse Non-Linearity Compensation	United States	9/10/2001

PATENT

REEL: 027390 FRAME: 0203

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-12095 US <i>Title</i>	09/950,360 Calibration Storage Methods For A Digital Focus And Tracking Servo System With Calibration	United States	9/10/2001
M-9115 US <i>Title</i>	09/950,516 Digital Focus And Tracking Servo System	United States	9/10/2001
M-12108 US <i>Title</i>	09/950,412 Tracking And Focus Servo System With A Media Type Boundary Crossing Detector	United States	9/10/2001
M-12112 US <i>Title</i>	09/950,540 Tracking And Focus Servo System With Head Load	United States	9/10/2001
M-12026 US <i>Title</i>	09/951,329 System And Method For Handling Events In An Optical Disc Drive	United States	9/10/2001
M-12111 US <i>Title</i>	09/950,361 Tracking And Focus Servo System With Automatic Media Type Detector	United States	9/10/2001
M-12110 US <i>Title</i>	09/950,392 Calibration Of Focus Error Signal Offset In A Focus Servo System	United States	9/10/2001
M-12109 US <i>Title</i>	09/950,548 Calibration Of A Focus Error Signal Gain In A Focus Servo System	United States	9/10/2001
M-8726-1P US <i>Title</i>	09/802,708 Continuous Flexible Connection Method For Miniature Optical Head	United States	3/8/2001
M-8534-3C US <i>Title</i>	10/274,487 Removable Optical Storage Device And System	United States	10/17/2002
M-8778-2C US <i>Title</i>	10/290,067 Miniature Optical Disk For Data Storage	United States	11/6/2002
M-8531-2C US <i>Title</i>	10/290,053 Optical Recording Medium Including Licensed Information	United States	11/6/2002
M-9804-1C US <i>Title</i>	10/278,719 Micro Lens And Method And Apparatus For Fabricating	United States	10/22/2002
M-8375-1C US <i>Title</i>	10/290,066 Asynchronous Input/Output Interface	United States	11/6/2002
M-11533-1C US <i>Title</i>	10/300,207 Disk Carrier	United States	11/19/2002
M-8381-1C US <i>Title</i>	10/299,950 Defect Management System for Write-Once Storage Disk	United States	11/18/2002

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-8746-3C US <i>Title</i> Low Profile And Medium Protecting Cartridge Assembly	10/285,387	United States	10/30/2002
M-8532-2C US <i>Title</i> Content Distribution Method And Apparatus	10/290,442	United States	11/6/2002
M-11969-1C US <i>Title</i> Disk Drive Actuator And Method Of Making Same	10/360,725	United States	11/27/2002
M-11533-1C US <i>Title</i> Disk Carrier	10/300,207	United States	11/19/2002
M-8377-1C US <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
M-8531-1D US <i>Title</i> Combination Mastered And Writeable Medium And Use In Electronic Internet Appliance	09/721,587	United States	11/21/2000
M-9998-1P US <i>Title</i> Optical Data Storage With Enhanced Contrast	09/854,333	United States	5/11/2001
M-8532-1P US <i>Title</i> Flexible Content Distribution Method And Apparatus	09/489,084	United States	1/21/2000
M-8745-1P US <i>Title</i> Tilt Focus Method And Mechanism For An Optical Drive	09/815,377	United States	3/21/2001
M-12078 US <i>Title</i> Close Tracking Algorithm In A Digital Tracking Servo System	09/950,444	United States	9/10/2001
M-9796 US <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
DM-196 US <i>Title</i> Cartridge Protective Case	29/163,408	United States	7/3/2002
DM-186 US <i>Title</i> Cartridge For Data Storage Disk	29/160,536	United States	5/10/2002
M-8377 US <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
M-8374 US <i>Title</i> File System Management Embedded in a Storage Device	09/539,841	United States	3/31/2000
M-8383 US <i>Title</i> System and Method for Aligning Components of Optical Head	09/544,370	United States	4/6/2000

PATENT

REEL: 027390 FRAME: 0205



<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-8381 US <i>Title</i> Defect Management System for Write-Once Storage Disk	09/583,390	United States	5/30/2000
M-8375 US <i>Title</i> Asynchronous Input/Output Interface Protocol	09/539,842	United States	3/31/2000
M-8532 US <i>Title</i> Content Distribution Method and Apparatus	09/393,899	United States	9/10/1999
M-8746 US <i>Title</i> Low Profile and Medium Protecting Cartridge Assembly	09/548,128	United States	4/12/2000
M-11533 US <i>Title</i> Disk Carrier	09/920,004	United States	7/31/2001
M-11969 US <i>Title</i> Disk Drive Actuator And Method Of Making Same	09/815,293	United States	3/21/2001
M-8379 US <i>Title</i> Structure And Method For Storing Data On Optical Disks	09/542,681	United States	4/3/2000
M-8729 US <i>Title</i> Crimping Tool For Metal Hub Plate	09/745,597	United States	12/21/2000
M-8376 US <i>Title</i> Method Of Decrypting Data Stored On A Storage Device Using An Embedded Encryption/Decryption Means	09/583,452	United States	5/30/2000
M-12015 US <i>Title</i> Inner Region Identifier For Optical Disk	10/106,475	United States	3/25/2002
M-11812 US <i>Title</i> Focus Stop For Limiting Actuator Assembly Focus Travel	09/945,914	United States	9/4/2001
M-11962 US <i>Title</i> Protective Enclosure For Data Storage Cartridge	10/095,150	United States	3/8/2002
M-12032 US <i>Title</i> System And Method For Controlling Spin Speed Of Media In An Optical Disc Drive	09/951,156	United States	9/10/2001
M-12039 US <i>Title</i> System And Method For Identifying Vendors Of Hidden Content	09/940,025	United States	8/27/2001
M-12040 US <i>Title</i> Unlocking Method And System For Data On Media	09/940,035	United States	8/27/2001
M-12042 US <i>Title</i> Revocation Method And Apparatus For Secure Content	09/939,896	United States	8/27/2001
M-11814 US <i>Title</i> 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 <i>Title</i> Low Profile Optical Head	09/457,104	United States	12/7/1999
M-9998 US <i>Title</i> First-Side Dual-Layer Optical Data Storage Disk And Method Of Manufacturing The Same	09/764,042	United States	1/16/2001
M-12139 US <i>Title</i> Facial Contact Lens System For Laser Diode	09/900,722	United States	7/6/2001
M-9848 US <i>Title</i> Optical Pick Up Unit Assembly Process	09/846,042	United States	5/1/2001
M-12038 US <i>Title</i> System And Method For Detecting Unauthorized Copying Of Encrypted Data	09/940,174	United States	8/27/2001
M-12013 US <i>Title</i> A Dual Density Disk With Associated Properties	10/085,682	United States	2/26/2002
M-11628 US <i>Title</i> Use Of Mother Stamper For Optical Disk Molding	10/056,927	United States	1/24/2002
M-12043 US <i>Title</i> Mastering Process And System For Secure Content	09/939,960	United States	8/27/2001
M-11585 US <i>Title</i> Error Correction Code Block Format	09/872,060	United States	6/1/2001
M-11478 US <i>Title</i> Objective Lens Alignment In Optical Pickup Unit Assembly	09/846,052	United States	5/1/2001
M-11815 US <i>Title</i> Device And Method For Mounting A Spindle Motor To A Base In A Miniature Optical Disk Drive	09/946,015	United States	9/4/2001
M-12024 US <i>Title</i> System And Method For Controlling Time Critical Operations In A Control System For An Optical Disc Drive	09/951,469	United States	9/10/2001
M-12041 US <i>Title</i> Host Certification Method And System	09/940,026	United States	8/27/2001
M-8378 US <i>Title</i> Format For Recording Data On A Storage Disk	09/583,448	United States	5/30/2000
M-8380 US <i>Title</i> Power Management For Optical Drives	09/552,288	United States	4/19/2000
M-8745 US <i>Title</i> Tilt Focus Method And Mechanism For An Optical Drive	09/557,284	United States	4/24/2000
M-8730 US <i>Title</i> Disk Hub Centering Method	09/745,399	United States	12/21/2000
<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-8727 US <i>Title</i> Disk Storage And Handling Magazine	09/675,572	United States	9/29/2000

PATENT

REEL: 027390 FRAME: 0207

M-8726 US <i>Title</i>	09/679,941	United States	10/4/2000
Continuous Flexible Connection Method For Miniature Optical Head			
M-8725 US <i>Title</i>	09/680,106	United States	10/4/2000
Laser Thermal Management System			
M-8382 US <i>Title</i>	09/542,510	United States	4/3/2000
Digital Rights Management Within An Embedded Storage Device			
M-11681 US <i>Title</i>	09/945,944	United States	9/4/2001
Mechanism For Limiting Actuator Assembly Movement In A Data Storage/Retrieval System			
M-9793 US <i>Title</i>	09/940,083	United States	8/27/2001
Secure Access Method And System			
M-9803 US <i>Title</i>	09/666,627	United States	9/20/2000
Method And Apparatus For Compensating Optical Disks For Effects Of Thin Films			
M-8778 US <i>Title</i>	09/560,781	United States	4/28/2000
Miniature Optical Disk for Data Storage			
M-11097 US <i>Title</i>	09/950,398	United States	9/10/2001
Digital Focus And Tracking Servo System With Multi-Zone Calibration			
M-8746-1P US <i>Title</i>	09/730,647	United States	12/5/2000
Low Profile Cartridge For Data Storage Disk			
M-12177 US <i>Title</i>	09/951,940	United States	9/10/2001
System And Method For Controlling Focus In An Optical Disc Drive			
M-9998-2P US <i>Title</i>	10/107,854	United States	3/25/2002
Double-Sided Hybrid Optical Disk With Surface Topology			
M-12090 US <i>Title</i>	09/950,331	United States	9/10/2001
Digital Tracking Servo System With Multi-Track Seek With Track Zero Crossing Period Integrity Test			
M-12092 US <i>Title</i>	09/950,376	United States	9/10/2001
Digital Focus And Tracking Servo System With One-Track Jump			
M-12089 US <i>Title</i>	09/950,513	United States	9/10/2001
Digital Tracking Servo System With Multi-Track Seek With Track Zero Crossing Detection			
M-12083 US <i>Title</i>	09/950,410	United States	9/10/2001
Digital Tracking Servo System With Tracking Skate Detection			
M-12088 US <i>Title</i>	09/950,378	United States	9/10/2001
Digital Tracking Servo System With Multi-Track Seeking With An Acceleration Clamp			

PATENT

REEL: 027390 FRAME: 0208

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-12087 US <i>Title</i> Digital Tracking Servo System With A Multi-Track Seeking And Accelerated Servo Function For Regaining A Closed Tracking Loop	09/950,414	United States	9/10/2001
M-12031 US <i>Title</i> System And Method For Controlling Tracking And Seeking In An Optical Disc Drive	09/951,331	United States	9/10/2001
M-12086 US <i>Title</i> Digital Tracking Servo System With Multi-Track Seek	09/950,425	United States	9/10/2001
M-12085 US <i>Title</i> Digital Tracking And Focus Servo system With A DSP Architecture	09/950,373	United States	9/10/2001
M-12082 US <i>Title</i> Digital Servo System With Second Order Compensator	09/950,914	United States	9/10/2001
M-11813 US <i>Title</i> Eccentric CAM For Limiting Actuator Tracking	09/946,038	United States	9/4/2001
M-12025 US <i>Title</i> System And Method For Recovering From Performance Errors In An Optical Disc Drive	09/951,337	United States	9/10/2001
M-12028 US <i>Title</i> System And Method For Handling Commands In An Optical Disc Drive	09/951,931	United States	9/10/2001
M-12029 US <i>Title</i> System And Method For Dynamically Re-Calibrating An Optical Disc Drive	09/951,850	United States	9/10/2001
M-8535-1P US <i>Title</i> Low Profile Optical Head	09/540,657	United States	3/31/2000
M-12091 US <i>Title</i> Digital Servo System With Biased Feed-Forward	09/950,395	United States	9/10/2001
M-8535-2P US <i>Title</i> Beamshaper For Optical Head	09/764,026	United States	1/16/2001
M-12099 US <i>Title</i> Calibration Of Tracking Error Signal Gain In A Tracking Servo System	09/950,520	United States	9/10/2001
M-12195 US <i>Title</i> Digital Servo System With Loop Gain Calibration	09/950,519	United States	9/10/2001
M-12093 US <i>Title</i> Digital Tracking Servo System With Off-Format Detection	09/950,393	United States	9/10/2001
M-12100 US <i>Title</i> Calibration Of Tracking Error Signal Offset In A Tracking Servo System	09/950,377	United States	9/10/2001
M-12103 US <i>Title</i> Detector Input Stray Light Offset Calibration In An Optical Disk Drive	09/950,415	United States	9/10/2001

PATENT

REEL: 027390 FRAME: 0209

<i>DocketNumber</i>	<i>ApplicationNumber</i>	<i>CountryName</i>	<i>ApplicationDate</i>
M-8536 US <i>Title</i> Writeable Medium Access Control Using A Medium Writeable Area	09/393,150	United States	9/10/1999
M-12104 US <i>Title</i> Tracking And Focus Servo System With Anti-Skate Algorithm	09/950,432	United States	9/10/2001
M-12105 US <i>Title</i> Tracking And Focus Servo System With Defect Detection	09/950,379	United States	9/10/2001
M-12106 US <i>Title</i> Tracking And Focus Servo System With Direction Sensor	09/950,515	United States	9/10/2001
M-12107 US <i>Title</i> Tracking And Focus Servo System With Write Abort	09/950,411	United States	9/10/2001
M-12117 US <i>Title</i> CLV System And Method Of Using PSA	09/951,108	United States	9/10/2001
M-12094 US <i>Title</i> Digital Tracking And Focus Servo System With TES to FES Crosstalk Calibration	09/950,396	United States	9/10/2001
M-12118 US <i>Title</i> Slew System And Method	09/951,869	United States	9/10/2001
M-12097 US <i>Title</i> Calibration Initiation Methods For A Tracking And Focus Servo System	09/950,541	United States	9/10/2001
M-12102 US <i>Title</i> Detector Input Dark Current Offset Calibration In An Optical Disk Drive	09/950,512	United States	9/10/2001
M-12101 US <i>Title</i> Calibration Of Focus Sum Threshold In A Focus Servo System	09/950,367	United States	9/10/2001
M-12122 US <i>Title</i> PMAD/PSA Digital Feedback System	09/951,325	United States	9/10/2001
M-12155 US <i>Title</i> Focus Servo System With A Sliding Notch Filter	09/950,514	United States	9/10/2001
M-12119 US <i>Title</i> Kp And Ki Lookup System And Method	09/951,330	United States	9/10/2001
M-12080 US <i>Title</i> Digital Servo System With Error Signal Integrity Testing	09/950,413	United States	9/10/2001
M-12120 US <i>Title</i> System And Method For Controlling Laser Power In An Optical Disc Drive	09/951,340	United States	9/10/2001
M-11682 US <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>
M-8532-1P KR <i>Title</i> Flexible Content Distribution Method And Apparatus	7009303/2002	South Korea	
M-8534 CN <i>Title</i> Removable Optical Storage Device And System	00810553.7	China P.R.	5/18/2000
M-8536 KR <i>Title</i> Writeable Medium Access Control Using A Medium Writeable Area	7003184/2002	South Korea	9/7/2000
M-8532 KR <i>Title</i> Content Distribution Method And Apparatus	7003183/2002	South Korea	9/7/2000
M-8532 MX <i>Title</i> Content Distribution Method And Apparatus	PA/A/2002/002609	Mexico	9/7/2000
M-8531 KR <i>Title</i> Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance	7016483/2001	South Korea	6/22/2000
M-8534 KR <i>Title</i> Removable Optical Storage Device And System	7014796/2001	South Korea	5/18/2000
M-11478 WO <i>Title</i> Objective Lens Alignment In Optical Pickup Unit Assembly	PCT/US02/13867	Patent Cooperation Treaty	5/2/2002
M-8532-1P MX <i>Title</i> Flexible Content Distribution Method And Apparatus	PA/A/2002/007151	Mexico	1/18/2001
M-8532-1P SG <i>Title</i> Flexible Content Distribution Method And Apparatus	200204309-9	Singapore	1/18/2001
M-8534 CA <i>Title</i> Removable Optical Storage Device And System	2,371,370	Canada	5/18/2000
M-9998-2P WO <i>Title</i> A Double Sided Hybrid Optical Disk with Surface Topology	PCT/US02/13865	Patent Cooperation Treaty	5/2/2002
M-8375 WO <i>Title</i> Asynchronous Input/Output Interface Protocol.	PCT/US01/09907	Patent Cooperation Treaty	3/28/2001
M-8376 WO <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
M-9804 WO <i>Title</i> Micro Lens And Method and Apparatus For Fabricating	PCT/US01/28063	Patent Cooperation Treaty	9/7/2001
M-9115 WO <i>Title</i> Optical Disk Drive With Digital Focus And Tracking Servo System	PCT/US02/02221	Patent Cooperation Treaty	1/22/2002

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

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REEL: 027390 FRAME: 0212

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

M-8778-1P TW	90109690	Taiwan	4/28/2000
<i>Title</i>	Magnetic Hub Assembly For Data Storage Disk		
M-8746-1P TW	90108699	Taiwan	4/11/2001
<i>Title</i>	Low Profile Cartridge For Data Storage Disk		
M-8535-1P TW	89125819	Taiwan	3/31/2000
<i>Title</i>	Low Profile Optical Head		
M-8377 TW	90112823	Taiwan	5/30/2000
<i>Title</i>	Method And Apparatus For Emulating Read/Write File System On A Write-Once Data Storage Disk		
M-9793 TW	91119311	Taiwan	8/26/2002
<i>Title</i>	A Secure Access Method And System		
M-9804 TW	90122393	Taiwan	9/20/2000
<i>Title</i>	Micro Lens And Method And Apparatus For Fabricating		
M-8778 TW	901096989	Taiwan	4/28/2000
<i>Title</i>	Miniature Optical Disk For Data Storage		
M-11533 TW	91116633	Taiwan	7/31/2001
<i>Title</i>	Disk Carrier		
M-9998-1P TW	91100211	Taiwan	1/16/2001
<i>Title</i>	Optical Data Media With Enhanced Contrast		
M-11681 TW	91119979	Taiwan	9/4/2001
<i>Title</i>	Optical Disk Drive Actuator Assembly		
M-9802 TW	90121232	Taiwan	8/31/2000
<i>Title</i>	Double-Sided Digital Optical Disk And Method And Apparatus For Making		
M-9803 TW	90123255	Taiwan	9/20/2001
<i>Title</i>	Method And Apparatus For Compensating Optical Disks For Effects Of Thin Films		
M-9115 TW	91101100	Taiwan	1/25/2001
<i>Title</i>	Digital Focus And Tracking Servo System With Multi-Zone Calibration		
M-11096 TW	91100909	Taiwan	1/25/2001
<i>Title</i>	Spin Motor Control In An Optical Drive		
M-11098 TW	91100910	Taiwan	1/25/2001
<i>Title</i>	System And Method For Controlling An Optical Disc Drive		
M-9848 TW	91107661	Taiwan	5/1/2001
<i>Title</i>	Optical Pickup Unit Assembly Process		
M-9998 TW	91100212	Taiwan	1/16/2001
<i>Title</i>	First-Side Dual-Layer Optical Data Storage Disk And Method Of Manufacturing The Same		
M-11478 TW	91108600	Taiwan	5/1/2001
<i>Title</i>	Objective Lens Alignment In Optical Pickup Unit Assembly		

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REEL: 027390 FRAME: 0214

M-9998-2P TW	91109394	Taiwan	5/11/2001
<i>Title</i>	A Double Sided Hybrid Optical Disk With Surface Topology		
M-8376 TW	90112447163260	Taiwan	5/30/2000
<i>Title</i>	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
<i>Title</i>	A Double-Sided Hybrid Optical Disk With Surface Topology		
M-8374 KR	7012836/2002	South Korea	3/28/2001
<i>Title</i>	File System Management Embedded In A Storage Device		
M-8535-1P KR	7009926/2003	South Korea	12/5/2000
<i>Title</i>	Low Profile Optical Head		
M-11628 TW	Awaiting Receipt	Taiwan	
<i>Title</i>	Use Of Mother Stamper For Optical Disk Molding		
M-8382 TW	90107967	Taiwan	4/3/2000
<i>Title</i>	Digital Rights Management Within An Embedded Storage Device		
M-8531 TW	89112417	Taiwan	6/23/1999
<i>Title</i>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
M-8532 TW	89118490156979	Taiwan	9/10/1999
<i>Title</i>	Content Distribution Method And Apparatus		
M-8534 TW	89109720	Taiwan	8/21/2000
<i>Title</i>	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
<i>Title</i>	Writeable Medium Access Control Using A Medium Writeable Area		
M-8535-1P EP	00982448.3	European Patent Convention	12/5/2000
<i>Title</i>	Low Profile Optical Head		
M-8532-1P EP	01904989.9	European Patent Convention	1/18/2001
<i>Title</i>	Flexible Content Distribution Method And Apparatus		
M-8531 EP	00943104.0	European Patent Convention	6/22/2000
<i>Title</i>	Combination Mastered And Writeable Medium And Use In Electronic Book Internet Appliance		
M-8532 EP	00961702.8	European Patent Convention	9/7/2000
<i>Title</i>	Content Distribution Method And Apparatus		
M-8374 JP		Japan	
<i>Title</i>	File System Management Embedded In A Storage Device		
M-8532 JP	2001-522467	Japan	9/7/2000
<i>Title</i>	Content Distribution Method And Apparatus		
M-8532-1P JP	2001-553301	Japan	1/18/2001
<i>Title</i>	Flexible Content Distribution Method And Apparatus		

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

M-8746-1P WO

PCT/US02/08562

PCT

03/19/2002

Title Low Profile And Medium Protecting Cartridge Assembly



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	