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 026259 Frame 0538. 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:	6781929

OP $40.00 6781929

CORRESPONDENCE DATA

Fax Number: (949)202-3138
Email: pia.kamath@haynesboone.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: Haynes and Boone, LLP.
Address Line 1: 2323 Victory Avenue, Suite 700
Address Line 4: Dallas, TEXAS 75219

ATTORNEY DOCKET NUMBER:	70103.86
NAME OF SUBMITTER:	Jonathan W. Hallman

Total Attachments: 30

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PATENT ASSIGNMENT

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Electronic Version v1.1
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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
Patent Number:	6781929

OP $40.00 6781929

CORRESPONDENCE DATA

Fax Number: (949)202-3138
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Email: pia.kamath@haynesboone.com
Correspondent Name: Haynes and Boone, LLP
Address Line 1: 2323 Victory Avenue, Suite 700
Address Line 4: Dallas, TEXAS 75219

ATTORNEY DOCKET NUMBER:	70103.86
NAME OF SUBMITTER:	Jonathan W. Hallman

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 parents 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 PURCHASAE 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 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

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

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

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

DocketNumber	*ApplicationNumber*	*CountryName*	*ApplicationDate*
M-8746-3C US	10/285,387	United States	10/30/2002
Title	Low Profile And Medium Protecting Cartridge Assembly		
M-8532-2C US	10/290,442	United States	11/6/2002
Title	Content Distribution Method And Apparatus		
M-11969-1C US	10/360,725	United States	11/27/2002
Title	Disk Drive Actuator And Method Of Making Same		
M-11533-1C US	10/300,207	United States	11/19/2002
Title	Disk Carrier		
M-8377-1C US	10/293,893	United States	11/12/2002
Title	Method And Apparatus For Emulating Read/Write File System On A Write-Once Data Storage Disk		
M-8531-1D US	09/721,587	United States	11/21/2000
Title	Combination Mastered And Writeable Medium And Use In Electronic Internet Applicance		
M-9998-1P US	09/854,333	United States	5/11/2001
Title	Optical Data Storage With Enhanced Contrast		
M-8532-1P US	09/489,084	United States	1/21/2000
Title	Flexible Content Distribution Method And Apparatus		
M-8745-1P US	09/815,377	United States	3/21/2001
Title	Tilt Focus Method And Mechanism For An Optical Drive		
M-12078 US	09/950,444	United States	9/10/2001
Title	Close Tracking Algorithm In A Digital Tracking Servo System		
M-9796 US	09/946,071	United States	9/4/2001
Title	Device And Method For Detecting Cartridge Readiness To Load In A Data Storage System		
DM-196 US	29/163,408	United States	7/3/2002
Title	Cartridge Protective Case		
DM-186 US	29/160,536	United States	5/10/2002
Title	Cartridge For Data Storage Disk		
M-8377 US	09/583,133	United States	5/30/2000
Title	Method and Apparatus for Emulating Read/Write File System on a Write-Once Storage Disk		
M-8374 US	09/539,841	United States	3/31/2000
Title	File System Management Embedded in a Storage Device		
M-8383 US	09/544,370	United States	4/6/2000
Title	System and Method for Aligning Components of Optical Head		

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

DocketNumber	*ApplicationNumber*	*CountryName*	*ApplicationDate*
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		

DocketNumber	*ApplicationNumber*	*CountryName*	*ApplicationDate*
M-8727 US	09/675,572	United States	9/29/2000
Title	Disk Storage And Handling Magazine		

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	Digital Tracking Servo System With A Multi-Track Seeking And Accelerted Servo Function For Regaining A Closed Tracking Loop		
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 Disk Drive		

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

ATTACHMENT B

International Patent Applications

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

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

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
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		

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

Title Low Profile And Medium Protecting Cartridge Assembly

ATTACHMENT C

Disclosures

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