PATENT ASSIGNMENT

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Roxio, Inc.	12/17/2004

RECEIVING PARTY DATA

Name:	Sonic Solutions
Street Address:	101 Rowland Way, Suite 100
City:	Novato
State/Country:	CALIFORNIA
Postal Code:	94945

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	11229449
Application Number:	11468927

CORRESPONDENCE DATA

Fax Number: (503)439-6558

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 503-439-6500
Email: jflynn@bltg-ip.com
Correspondent Name: Berkeley Law & Technology Group LLC
Address Line 1: 1700 NW 167th Place
Address Line 4: Beaverton, OREGON 97006

ATTORNEY DOCKET NUMBER:	012.P13016CRE, CREC
NAME OF SUBMITTER:	Julianne Flynn

Total Attachments: 8
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P A T E N T   A S S I G N M E N T

WHEREAS, ROXIO, INC., a Delaware corporation, with its principal place of business in Santa Clara, California, for good and valuable consideration, has assigned and does hereby assign to SONIC SOLUTIONS, a California corporation, with its principal place of business in Novato, California, its successors, assigns and legal representatives, pursuant to a certain Amended and Restated Asset Purchase Agreement executed by the parties on December 17, 2004 ("APA"), entire right, title and interest in and to all subject matter disclosed and claimed in the patents and patent applications listed on Exhibit A, attached hereto, and in and to said applications and any and all divisionals, continuations, substitutes, renewals, reissues and foreign counterparts thereof, and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter.

ROXIO, INC., agrees to do, or have done by it, all acts and sign, or have signed by it, all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisions, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

Nothing in this assignment shall, or shall be deemed to, modify or otherwise affect any provisions of APA or affect or modify any of the rights or obligations of the parties under the APA.
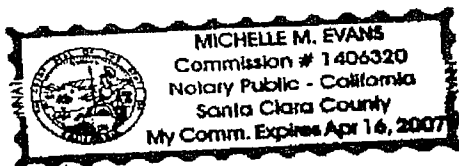
ROXIO, INC.

DATE: 12/17/04   By: _____

STATE OF CALIFORNIA   )
) SS.
COUNTY OF Santa Clara   )

On December 17, 2004 , before me, Michelle M. Evans, Notary Public personally appeared Nand Gangwani , personally known to me ~~OR proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

_____
Signature of Notary

MICHELLE M. EVANS
Commission # 1406320
Notary Public - California
Santa Clara County
My Comm. Expires Apr 16, 2007

**PATENT
REEL: 015499 FRAME: 0851**

**PATENT
REEL: 018841 FRAME: 0012**

EXHIBIT A

Patent Title	Appl. #	File Date	Issue Date	Patent #
METHOD AND APPARATUS FOR IMPROVED PERIPHERAL BUS UTILIZATION A METHOD FOR MINIMIZING ATAPI BUS. UTILIZATION FOR CD-R/CD-RW/DVD DRIVES	08/938,110	September 26, 1997	10/19/1999	5,968,147
METHOD AND APPARATUS FOR DATA BACKUP AND DATA RESTORING AFTER STORAGE DRIVE FAILURES	60/121,824	February 22, 1999		
COMPACT DISC RECORDING SYSTEM AND METHOD	08/710,072	September 9, 1996	7/18/2000	6,091,686
COMPACT DISC RECORDING SYSTEM AND METHOD	09/573,082	May 16, 2000	5/1/2001	6,226,241
SYSTEM AND METHOD FOR INCREMENTAL PACKET RECORDING OF RECORDABLE COMPACT DISCS	08/505,586	July 24, 1995	6/6/2000	6,073,189
METHODS FOR EFFICIENT PERFORMING SECTOR SKIPPING BACKUPS	60/113,582	December 24, 1998		
IMPROVED IMAGE BACKUP METHOD FOR BACKING UP DISK PARTITIONS OF A STORAGE DEVICE	09/329,495	June 10, 1999	12/16/2003	6,665,779
FILE FORMAT FOR EFFICIENT MEDIA BACKUP	60/113,694	December 24, 1998		
METHOD AND SYSTEM FOR BACKING UP DATA OVER A PLURALITY OF VOLUMES	09/329,516	July 10, 1999	4/1/2003	6,542,975
HIGH SPEED AUDIO EXTRACTION WITH SIMULTANEOUS AUDIO PLAYBACK (PROVISIONAL: AUDIO DATA COLLECTION AND MANAGEMENT)	09/389,966	September 3, 1999	1/26/2002	6,487,145
AUDIO DATA COLLECTION AND MANAGEMENT	60/130,841	April 22, 1999		
METHOD AND SYSTEM FOR AUDIO DATA COLLECTION AND MANAGEMENT	09/841,788	April 24, 2001	9/14/2004	6,791,907
PHYSICAL FORMAT, VOLUME AND FILE STRUCTURES, AND RECORDING AND READING COMPRESSED AUDIO	60/139,921	June 17, 1999		
COMPRESSED AUDIO DATA FORMAT AND FILE SYSTEM STRUCTURES	09/414,379	October 7, 1999	3/5/2002	6,353,173
METHODS FOR WRITING AND READING COMPRESSED AUDIO DATA	09/414,378	October 7, 1999	9/3/2002	6,446,073
A METHOD FOR WRITING AND READING DATA TO AND FROM A COMPACT DISC MEDIA	09/389,829	September 3, 1999	12/16/2003	6,665,784
BOOTABLE INCREMENTAL PACKET OPTICAL MEDIA	09/464,325	December 15, 1999	7/8/2003	6,591,363

METHOD FOR CREATING DUAL-MODEL BOOTABLE CD-RW BY WRITING FIXED PACKET DATA WITH AND WITHOUT EMULATING BAD SCTORS OF LINK BLOCKS FOR FIRST AND SECOND MODE RESPECTIVELY	09/464,332	December 15, 1999	10/7/2003	6,631,468
METHODS FOR INCREASING FILE STORAGE CAPACITY OF OPTICAL DISCS	09/524,050	March 13, 2000	3/4/2003	6,530,009
METHODS FOR EFFICIENT HOST PROCESSING OF DATA FILES SELECTED FOR RECORDING TO AN OPTICAL DISC MEDIA.	09/539,482	March 20, 2000		
METHODS FOR PROCESSING DATA TRANSFERRED TO SYSTEM MEMORY IN PREPARATION FOR RECORDING TO AN OPTICAL DISC	09/539,481	March 30, 2000	6/3/2003	6,574,642
METHOD AND HANDLING BUFFER UNDER-RUN DURING DISC RECORDING	09/448,030	November 23, 1999	6/11/2002	6,405,283
OPTICAL DISC BUFFER UNDER-RUN HANDLING METHODS	09/447,964	November 23, 1999	6/4/2002	6,401,169
IMAGE MASTERING API (IMAPI)	09/703,167	October 30, 2000		
IMAGE MASTERING API (IMAPI)	60/162,879	November 1, 1999		
METHODS OF AND COMPUTER READABLE MEDIA FOR AUTOMATICALLY SETTING UP PAGE FILES FOR LABELS FOR COMPACT DISC MEDIA	09/473,916	December 28, 1999	4/6/2004	6,718,517
METHODS FOR OPTICAL DISC SECTOR VERIFICATION	09/614,065	July 11, 2000		
METHODS FOR ACCESSING REMOTELY LOCATED DEVICES	09/656,533	September 7, 2000		
METHODS FOR PROTECTING OPTICAL DISC MEDIA	09/728,734	November 30, 2000	7/8/2003	6,590,845
METHODS FOR STORING AUDIO DATA BEYOND CONVENTIONAL CAPACITY OF COMPACT DISKS	09/650,777	August 29, 2000		
METHODS FOR ESTABLISHING RECORDING RATES OF OPTICAL MEDIA RECORDERS	09/686,213	October 10, 2000	4/22/2003	6,552,975
METHODS AND APPARATUS FOR GENERATING STORE QUALITY COMPACT DISC ALBUMS	10/000,532	October 30, 2001		
METHODS AND APPARATUS FOR GENERATING STORE QUALITY COMPACT DISC ALBUMS	60/244,455	October 30, 2000		
REMOVABLE MEDIA DELETE MANAGER AND METHODS FOR MANAGING THE SAME	09/990,471	November 20, 2001		
REMOVABLE MEDIA DELETE MANAGER AND METHODS FOR MANAGING THE SAME	60/258,263	December 22, 2000		

METHOD & APPARATUS FOR FORMATTING & INITIALIZATION OF OPTICAL MEDIA	60/304,547	July 10, 2001		
METHOD AND APPARATUS FOR FORMATTING AND INITIALIZATION OF REWRITABLE OPTICAL MEDIA	10/143,285	May 9, 2002		
METHOD AND APPARATUS FOR FORMATTING AND INITIALIZATION OF REWRITABLE OPTICAL MEDIA USING MULTIPLE TRACKS	10/193,422	July 10, 2002		
METHOD FOR OPTIMIZING RECORDING ORDER OF FILES ON RECORDABLE MEDIA	09/780,268	September 24, 2001	1/13/2004	6,678,229
METHODS FOR DETERMINING WRITE RATES OF OPTICAL MEDIA DEVICES	09/780,268	February 9, 2001	10/22/2002	6,469,967
METHODS FOR RECORDING MUSIC TO OPTICAL MEDIA	09/823,787	March 30, 2001		
METHODS FOR ESTABLISHING AUDIO TRACK DIGITAL AUDIO EXTRACTION SPEED	10/184,683	June 26, 2002		
METHOD AND SYSTEM FOR PROCESSING DATA SELECTED FOR RECORDING TO OPTICAL MEDIA	09/967,786	September 28, 2001		
METHOD TO INTEGRATE USER DATA INTO UNCOMPRESSED AUDIO DATA	Unknown	April 8, 2003		
METHODS FOR RECORDING DATA TO OPTICAL MEDIA	10/224,686	August 20, 2002		
METHOD & APPARATUS FOR HYBRID DATA CACHING MECHANISM	09/949,300	September 7, 2001	8/10/2004	6,775,745
METHODS & COMPUTER CODE FOR AUTHORIZING MULTIMEDIA CONTENT TO BE WRITTEN TO OPTICAL MEDIA	10/272,787	October 16, 2002		
METHODS AND COMPUTER CODE FOR AUTHORING MULTIMEDIA CONTENT TO BE WRITTEN TO OPTICAL MEDIA	60/330,204	October 16, 2001		
CLUSTER-MANAGING SYSTEM FOR IMPROVING FILE STORAGE EFFICIENCY AND USER ACCESS TO FILES	09/118,567	July 17, 1998	7/8/2003	6,591,356
PROCESS FOR BALANCING THE LOUDNESS OF DIGITALLY SAMPLED AUDIO WAVEFORMS	08/417,754	April 6, 1995	9/22/1998	5,812,969
MULTI-SESSION OPTICAL MEDIA AND METHODS FOR RECORDING	10/199,164	July 19, 2002		
METHODS FOR RECORDING MULTIPLE SESSIONS ON A REWRITABLE DVD DISC	10/185,305	June 26, 2002		
METHOD AND SYSTEM FOR CHROMA KEY MASKING	10/097,688	March 12, 2002		
AUTOMATIC FORMAT OF REMOVABLE MEDIA	10/210,824	July 31, 2002		

AUTOMATIC FORMAT OF REMOVABLE MEDIA	60/382,495	May 21, 2002		
APPLICATION LEVEL AUTOMATIC FORMAT OF REMOVABLE MEDIA	10/443,160	May 21, 2003		
DRIVER BASED AUTOMATIC FORMAT OF REMOVABLE MEDIA	10/340,175	January 9, 2003		
A METHOD OF DATA LAYOUT FOR HIGH SPEED PERFORMANCE OF UDF FILE SYSTEMS ON PACKET WRITTEN DISCS	Unknown	April 2, 2003		
METHODS AND SYSTEMS FOR EXPANDING RECORDING CAPACITY OF OPTICL DISCS	10/301,100	November 20, 2002		
PRE-MASTERING FOR OPTICAL MEDIA RECORDING	10/352,697	January 27, 2003		
RENDERING PERSPECTIVE VIEWS OF A SCENE USING A SCAN LINE-COHERENT LOOK-UP TABLE	08/647,018	May 8, 1996	5/5/1998	5,748,194
RENDERING PERSPECTIVE VIEWS OF A SCENE USING A SCAN LINE-COHERENT LOOK-UP TABLE	09/009,652	January 20, 1998	5/15/2001	6,232,977
A METHOD AND SYSTEM FOR MULTI-RESOLUTION TEXTURE MAPPING	09/039,059	March 13, 1998	5/29/2001	6,239,807
A METHOD AND SYSTEM FOR IMAGE TEMPLATES	09/056,577	April 6, 1998	2/27/2001	6,195,101
METHOD AND SYSTEM FOR IMAGE TEMPLATES	09/764,029	January 16, 2001		
A METHOD AND SYSTEM FOR PANEL ALIGNMENT IN PANORAMAS	09/055,038	April 3, 1998	5/16/2000	6,064,399
A METHOD AND SYSTEM FOR PANORAMA VIEWING	09/057,013	April 7, 1998	2/20/2001	6,192,393
A METHOD AND SYSTEM FOR SERVER ACCESS CONTROL AND TRACKING	09/078,441	May 13, 1998	11/14/2000	6,148,333
A METHOD AND SYSTEM FOR HTML-DRIVEN INTERACTIVE IMAGE CLIENT	09/095,459	June 10, 1998	3/12/2002	6,356,283
A METHOD AND SYSTEM FOR SCANNING IMAGES IN A PHOTO KIOSK	09/151,437	September 11, 1998		
A METHOD AND SYSTEM FOR SCANNING IMAGES IN A PHOTO KIOSK (CIP OF P015)	09/271,030	March 17, 1999		
METHOD FOR PERFORMING A COLOR SPACE TRANSFORMATION	08/267,140	June 24, 1994	10/9/2001	6,301,025
METHOD FOR PERFORMING A COLOR SPACE TRANSFORMATION	09/860,151	May 16, 2001	9/16/2003	6,621,604
METHOD AND SYSTEM FOR SCENE CHANGE DETECTION	09/675,358	September 29, 2000		
METHOD AND SYSTEM FOR REMOVAL OF RED EYE EFFECTS	09/767,331	January 22, 2001		

SYSTEM, METHOD AND CHANNEL LINE-UP PROCESSOR FOR LOCALIZING AN ELECTRONIC PROGRAM GUIDE SCHEDULE	09/792,312	February 21, 2001		
METHOD AND SYSTEM FOR PEER-TO-PEER IMAGE STREAMING	09/976,169	October 11, 2001		
A METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK	08/850,960	May 2, 1997	10/19/1999	5,968,120
A NON-TIMELINE, NON-LINEAR DIGITAL MULTIMEDIA COMPOSITION METHOD & SYSTEM	09/057,223	April 8, 1998	3/20/2001	6,204,840
A METHOD AND SYSTEM FOR CENTERING IMAGE OBJECTS	08/992,994	December 18, 1997	4/10/2001	6,215,494
METHOD AND SYSTEM FOR ACCELERATING WARPING	08/852,496	May 7, 1997	10/5/1999	5,963,213
A METHOD AND SYSTEM FOR HTML-DRIVEN INTERACTIVE IMAGE CLIENT	08/979,220	November 26, 1997	9/19/2000	6,121,970
A METHOD AND SYSTEM FOR MASK GENERATION	08/922,578	September 3, 1997	10/9/2001	6,300,955
A METHOD AND SYSTEM FOR COMPOSTING IMAGES	08/922,732	September 3, 1997	10/3/2000	6,128,108
A METHOD AND SYSTEM FOR COMPOSTING IMAGES	09/542,495	April 3, 2000	5/7/2002	6,385,349
METHOD AND SYSTEM FOR COMPOSITION IMAGES	09/542,149	April 4, 2000	2/19/2002	6,349,153
A METHOD AND SYSTEM FOR REMOVAL OF FLASH ARTIFACTS FROM DIGITAL IMAGES	09/151,793	September 11, 1998	9/4/2001	6,285,410
PROCEDURE FOR IMAGE PROCESSING IN A COMPUTERIZED SYSTEM	08/327,421	October 21, 1994	8/4/1998	5,790,708
PROCEDURE FOR IMAGE PROCESSING IN A COMPUTERIZED SYSTEM	08/933,798	September 19, 1997	1/30/2001	6,181,836
METHOD AND SYSTEM FOR IMAGE PROCESSING	09/712,019	November 13, 2000	1/28/2003	6,512,855
METHOD AND SYSTEM FOR IMAGE PROCESSING	10/104,936	March 21, 2002		
FUNCTIONAL INTERPOLATING TRANSFORMATION SYSTEM FOR IMAGE PROCESSING	08/525,715	November 13, 1995	5/25/1999	5,907,640
A METHOD AND SYSTEM FOR CREATING PANORAMAS	09/136,108	August 17, 1998	6/12/2001	6,246,413
VIRTUAL REALITY CAMERA	08/938,366	September 26, 1997	4/22/2003	6,552,744
METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CIENT NETWORK	09/045,068	March 19, 1998	3/18/2003	6,535,878

A METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK	10/209,550	July 30, 2002		
USER INTERFACE METHOD AND SYSTEM FOR APPLICATION PROGRAMS IMPLEMENTED WITH COMPONENT ARCHITECTURES	09/240,844	February 1, 1999		
METHOD AND SYSTEM FOR ENCODING MOVIES, PANORAMAS AND LARGE IMAGES FOR ON-LINE INTERACTIVITY VIEWING AND GAZING	08/813,181	May 7, 1997	4/13/2004	6,721,952
VIRTUAL REALITY CAMERA	09/378,398	August 20, 1999		
METHOD AND SYSTEM FOR PROGRESSIVE ENCODING IN AN ACTIVE DESKTOP ENVIRONMENT	08/850,787	May 2, 1997	6/1/2004	6,745,226
METHOD AND SYSTEMS FOR SCALABLE REPRESENTATION OF MULTIMEDIA DATA FOR PROGRESSIVE ASYNCHRONOUS TRANSMISSION	08/778,830	January 6, 1997	3/18/2003	6,536,043
SYSTEM FOR TRANSMITTING DIGITAL DATA OVER A LIMITED BANDWIDTH LINK IN PLURAL BLOCKS	10/330,581	December 24, 2002		
SYSTEM FOR PROVIDING ON-LINE VIRTUAL REALITY MOVIES BY TRANSMITTING PARTIAL RESOLUTION FRAMES THROUGH A SUBSTRACTION PROCESS	10/330,466	December 24, 2002		
APPARATUS AND METHOD FOR ENCODING AND DECODING DIGITAL SIGNALS	21,084	February 23, 1993	3/5/1996	5,497,435
A METHOD OF ENSURING HIGH SECURITY OF ENCRYPTED MEDIA HOLDING FILE SYSTEMS	10/921,367	August 18, 2004		
AUTOMATIC DETECTION AND CORRECTION OF THE RED EYES EFFECT IN DIGITAL PHOTOGRAPHY (TEMP. TITLE)	10/665,849	September 17, 2003		
CAPABILITY OF WRITING TO MULTIPLE DEVICES SIMULTANEOUSLY (temp. title)	10/741,928	December 19, 2003		
Dynamic memory allocation for multiple targets (Temp. title)	10/741,093	December 19, 2003		
Network recording access control and share a computer's CD or DVD recorder acorss a network in peer to peer arrangements (temp. title)	10/776,654	February 10, 2004		
METHOD FOR SHARING AND ACCESSING A RECORDER	10/776,654	February 10, 2004		

RECORDED: 12/23/2004

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RECORDED: 02/01/2007

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REEL: 018841 FRAME: 0018