

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Erik C. Bard</td> <td>11/24/2009</td> </tr> <tr> <td>Douglas P. Hansen</td> <td>11/24/2009</td> </tr> <tr> <td>Barry M. Lunt</td> <td>11/24/2009</td> </tr> <tr> <td>Raymond T. Perkins</td> <td>11/24/2009</td> </tr> <tr> <td>Mark O. Worthington</td> <td>11/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Erik C. Bard	11/24/2009	Douglas P. Hansen	11/24/2009	Barry M. Lunt	11/24/2009	Raymond T. Perkins	11/24/2009	Mark O. Worthington	11/24/2009
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Brigham Young University</td> </tr> <tr> <td><b>Street Address:</b></td> <td>3760 HBLL</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Technology Transfer Office</td> </tr> <tr> <td><b>City:</b></td> <td>Provo</td> </tr> <tr> <td><b>State/Country:</b></td> <td>UTAH</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>84602-6844</td> </tr> </table>		<b>Name:</b>	Brigham Young University	<b>Street Address:</b>	3760 HBLL	<b>Internal Address:</b>	Technology Transfer Office	<b>City:</b>	Provo	<b>State/Country:</b>	UTAH	<b>Postal Code:</b>	84602-6844
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<b>PROPERTY NUMBERS Total: 2</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (412)281-0717</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-454-5000</p> <p>Email: docketingpgh@pepperlaw.com</p> <p>Correspondent Name: Pepper Hamilton LLP</p> <p>Address Line 1: 50th Floor</p> <p>Address Line 2: 500 Grant Street</p> <p>Address Line 4: Pittsburgh, PENNSYLVANIA 15219-2502</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	135359.10901												

OP \$80.00 12626769

**501026318**

**PATENT**  
**REEL: 023576 FRAME: 0044**

NAME OF SUBMITTER:

Sarah Rouse Janosik

Total Attachments: 4

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, the undersigned, do hereby:

- ☒ for which an application for a United States Patent was filed on November 27, 2009, Application Serial Number ~~12/626,769~~ ;
- ☐ for which an application for a United States Patent was executed on ;
- ☒ for which a United States Provisional Patent application was filed on November 28, 2008, Application Serial Number 61/200,449; and

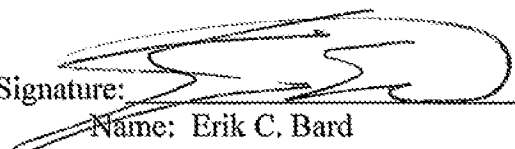
SELL, ASSIGN, AND TRANSFER to Brigham Young University (the "Assignee", a university of the State of Utah), having a place of business at 3760 HBL, Brigham Young University, Provo, UT 84602-6844, the entire right, title, and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. ~~12/626,769~~ which has been filed on November 27, 2009 and is entitled "HIGH POWER OPTICAL DISC DRIVES", and in the United States Provisional Patent application, Serial No. 61/200,449 which was filed on November 28, 2008 and is entitled "HIGH POWER OPTICAL DISC DRIVES", such application and all divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned.


COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible for which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining, and enforcing proper patent protection for such improvements;

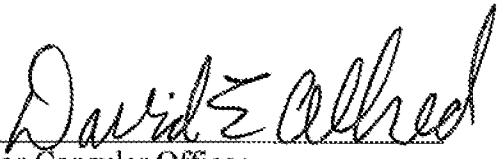
TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

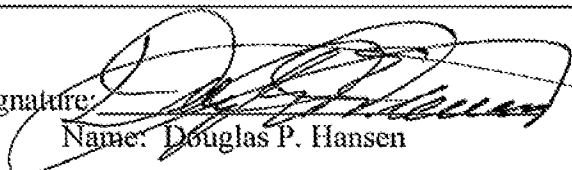
Signature:  Date: 24 Nov 2009  
Name: Erik C. Bard

STATE OF Utah )  
 ) ss.  
COUNTY OF Utah )

BEFORE ME, the undersigned authority, on this 24<sup>th</sup> day of November, 2009, personally appeared Erik C. Bard, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he or she executed the same of his or her own free will for the purposes and consideration therein expressed.


[SEAL]  **DAVID EVAN ALLRED**  
NOTARY PUBLIC-STATE OF UTAH  
COMMISSION# 579938  
COMM. EXP. 08-13-2013

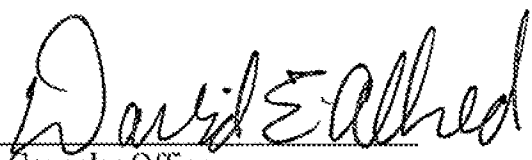
  
Notary or Consular Officer

Signature:  Date: Nov 24, 2009  
Name: Douglas P. Hansen

STATE OF Utah )  
 ) ss.  
COUNTY OF Utah )

BEFORE ME, the undersigned authority, on this 24<sup>th</sup> day of November, 2009, personally appeared Douglas P. Hansen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he or she executed the same of his or her own free will for the purposes and consideration therein expressed.

[SEAL]  **DAVID EVAN ALLRED**  
NOTARY PUBLIC-STATE OF UTAH  
COMMISSION# 579938  
COMM. EXP. 08-13-2013

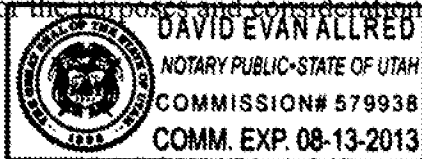
  
Notary or Consular Officer

Signature: Barry M. Lunt  
Name: Barry M. Lunt

Date: Nov 24, 2009

STATE OF Utah )  
 ) ss.  
COUNTY OF Utah )

BEFORE ME, the undersigned authority, on this 24<sup>th</sup> day of November, 2009, personally appeared Barry M. Lunt, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he or she executed the same of his or her own free will for the purposes and consideration therein expressed.



[SEAL]

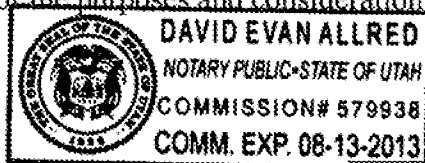
David E Allred  
Notary or Consular Officer

Signature: Raymond T. Perkins  
Name: Raymond T. Perkins

Date: 24 Nov 09

STATE OF Utah )  
 ) ss.  
COUNTY OF Utah )

BEFORE ME, the undersigned authority, on this 24<sup>th</sup> day of November, 2009, personally appeared Raymond T. Perkins, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he or she executed the same of his or her own free will for the purposes and consideration therein expressed.



[SEAL]

David E Allred  
Notary or Consular Officer

Signature: \_\_\_\_\_

Name: Mark O. Worthington

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

11/24/09

STATE OF \_\_\_\_\_ )

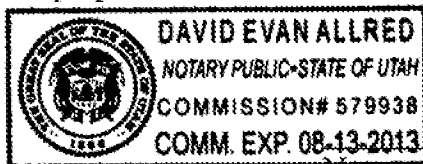
Utah

) ss.

COUNTY OF \_\_\_\_\_ )

Utah

BEFORE ME, the undersigned authority, on this 24<sup>th</sup> day of November, 2009, personally appeared Mark O. Worthington, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he or she executed the same of his or her own free will for the purposes and consideration therein expressed.



[SEAL]

David E Allred

Notary or Consular Officer