

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David G. Long</td> <td>03/16/2012</td> </tr> <tr> <td>Stephen J. Preston</td> <td>01/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	David G. Long	03/16/2012	Stephen J. Preston	01/10/2012						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Brigham Young University</td> </tr> <tr> <td>Street Address:</td> <td>Brigham Young University</td> </tr> <tr> <td>Internal Address:</td> <td>3760 Harold B. Lee Library</td> </tr> <tr> <td>City:</td> <td>Provo</td> </tr> <tr> <td>State/Country:</td> <td>UTAH</td> </tr> <tr> <td>Postal Code:</td> <td>84602-6844</td> </tr> </table>		Name:	Brigham Young University	Street Address:	Brigham Young University	Internal Address:	3760 Harold B. Lee Library	City:	Provo	State/Country:	UTAH	Postal Code:	84602-6844
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13149881</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13149881								
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Application Number:	13149881												
CORRESPONDENCE DATA													
Fax Number:	8015660750												
Email:	Cari.Decoursey@tnw.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Thorpe North and Western												
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NAME OF SUBMITTER:	Alex W. Haymond												
Total Attachments: 3 source=patent_assignment#page1.tif source=patent_assignment#page2.tif source=patent_assignment#page3.tif													

OP \$40.00 13149881

PATENT APPLICATION ASSIGNMENT

This Patent Application Assignment (the "Assignment") is made and effective as of May 31, 2011 by and between Dr. David G. Long and Stephen J. Preston (the "Assignors") and Brigham Young University (the "Assignee").

WHEREAS, by Agreements between the said Assignors and the Assignee, it was agreed that Assignors would assign and transfer unto said Assignee the full and exclusive right to any invention developed under the terms of said Agreements and the entire rights, title and interest in and to any and all letters patent which may be granted there from by the United States and any foreign patent office to Assignee;

WHEREAS, the Assignors have invented a new and useful invention covered by said Agreements (the "Invention") and have applied for patent protection on the Invention, which application was filed on May 31, 2011, was assigned **application number 13149881** by the United States Patent and Trademark Office, and which application is made a part hereof (the "Patent Application");

WHEREAS, it is the Assignors' intention to assign and transfer to the Assignee all of their rights, title, and interest in the Invention and to the Patent Application; and

Whereas, the Assignee desires to acquire all of the Assignors' right, title, and interest in the Invention and to the Patent Application and any and all letters patent or similar legal protection, foreign or domestic;

NOW, therefore, in consideration of the sum of One dollar (\$ 1.00), receipt whereof is acknowledged, and other good and valuable consideration, we the Assignors, by this Assignment, do hereby sell, assign, and transfer unto said Assignee the full and exclusive right to the said Invention and the entire rights, title and interest in and to any and all letters patent, or similar legal protection, that may be granted there from in the United States and/or any foreign country. We hereby authorize and request the Director of the United States Patent and Trademark Office to issue any letters patent on said Invention and the said Patent Application to said Assignee, of the entire right, title, and interest in and to the same, for its sole use and behoof; and for the use and behoof of his legal representatives and assigns, to the full end of the term(s) for which said letters

patent may be granted, as fully and entirely as the same would have been held by said Assignees had this Assignment and sale there under not been made.

IN TESTIMONY WHEREOF, Assignees have signed this Assignment on the dates proved herein below:

Executed on _____

By: _____
Dr. David G. Long
*1st named inventor on
the Application*

State of _____)

County of _____) SS:

Before me personally appeared Dr. David G. Long and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____, 2012.

Seal

(Notary Public)

Executed on 01-10-12

By: *Stephen J. Preston*
Stephen J. Preston
*2nd named inventor on
the Application*

State of Utah)

County of Salt Lake) SS:

Before me personally appeared Stephen J. Preston and acknowledge the foregoing instrument to be his free act and deed this 10th day of January, 2012.

Seal



Kara L. Selander
(Notary Public)

patent may be granted, as fully and entirely as the same would have been held by said Assignees had this Assignment and sale there under not been made.

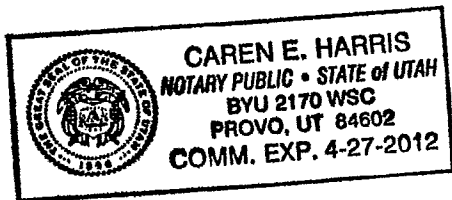
IN TESTIMONY WHEREOF, Assignees have signed this Assignment on the dates proved herein below:

Executed on 3/16/2012
By: [Signature]
Dr. David G. Long
1st named inventor on
the Application

State of Utah
County of Utah)³⁻¹⁶⁻²⁰¹² SS:
Before me personally appeared Dr. David G. Long and acknowledge the foregoing instrument to be his free act and deed this 16th day of March, 2012.

Seal

Caren E. Harris
(Notary Public)



Executed on 01-10-12
By: [Signature]
Stephen J. Preston
2nd named inventor on
the Application

State of Utah
County of Salt Lake) SS:
Before me personally appeared Stephen J. Preston and acknowledge the foregoing instrument to be his free act and deed this 10th day of January, 2012.

Seal



Kara L. Selander
(Notary Public)