

**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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thanh N. Truong</td> <td>05/02/2006</td> </tr> <tr> <td>Thomas Cook</td> <td>04/04/2006</td> </tr> <tr> <td>Manohar Nayak</td> <td>04/04/2006</td> </tr> <tr> <td>University of Utah</td> <td>05/10/2006</td> </tr> </tbody> </table>		Name	Execution Date	Thanh N. Truong	05/02/2006	Thomas Cook	04/04/2006	Manohar Nayak	04/04/2006	University of Utah	05/10/2006
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Thanh N. Truong	05/02/2006										
Thomas Cook	04/04/2006										
Manohar Nayak	04/04/2006										
University of Utah	05/10/2006										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	University of Utah Research Foundation										
<b>Street Address:</b>	615 Arapeen Dr., Suite 310										
<b>City:</b>	Salt Lake City										
<b>State/Country:</b>	UTAH										
<b>Postal Code:</b>	84108										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11685683</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11685683						
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Application Number:	11685683										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(801)566-0750										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	(801)566-6633										
<b>Email:</b>	halterman@tnw.com										
<b>Correspondent Name:</b>	Steve M. Perry, Thorpe North & Western										
<b>Address Line 1:</b>	P. O. Box 1219										
<b>Address Line 4:</b>	Sandy, UTAH 84091-1219										
<b>ATTORNEY DOCKET NUMBER:</b>	00846-U4013.NP UOFU										
<b>NAME OF SUBMITTER:</b>	Steve M. Perry										

Total Attachments: 9  
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**PATENT  
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WHEN RECORDED RETURN TO:

US PATENT APPLICATION  
ATTORNEY DOCKET NO. 00846-U4013.NP

Steve M. Perry  
THORPE NORTH & WESTERN, LLP  
P.O. BOX 1219  
SANDY, UTAH 84091-1219

## ASSIGNMENT

WHEREAS, We,

Residence: Thanh N. Truong  
Salt Lake City, Utah  
Post Office Address: 4347 South 1100 East  
Salt Lake City, UT 84124

Residence: Thomas Cook  
Salt Lake City, Utah  
Post Office Address: 3135 Metropolitan Way  
Salt Lake City, UT 84109

Residence: Manohar Nayak  
Salt Lake City, Utah  
Post Office Address: 1121 E. 500 S., Apt. 9  
Salt Lake City, UT 84112

(hereinafter "Assignors") have invented a certain new and useful improvement in a  
EXTENDABLE FRAMEWORK FOR DISTRIBUTED APPLICATIONS AND DATA for  
which a non-provisional application for United States Letters Patent was filed on March 13, 2007  
as THORPE NORTH & WESTERN, LLP Docket No. 00846-U4013.NP, and given U.S. Patent  
Application Serial No. 11/685,683; and

WHEREAS, University of Utah, an institution of higher education and a nonprofit  
organization organized and existing under the laws of the State of Utah, located at 615 Arapeen  
Dr., Suite 310, Salt Lake City, UT 84108 (hereinafter "Assignee"), is desirous of acquiring the  
entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable  
consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby  
acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire  
right, title and interest in said invention and in all patent applications based thereon, including

but not limited to the above identified United States Patent Application and in all nonprovisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

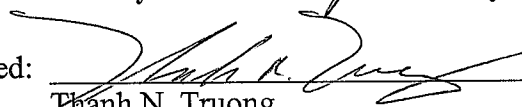
We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, nonprovisional, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuing, extension, and infringement proceedings involving said invention.

Assignment  
US Patent Application  
Attorney Docket No. 25852.NP

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City, Utah, this 2 day of May, 2006.  
city, state, country (if not USA) day month year

Signed:

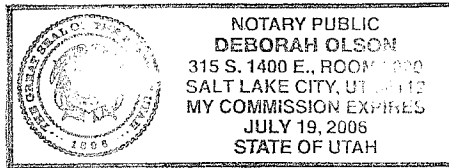
  
Thanh N. Truong

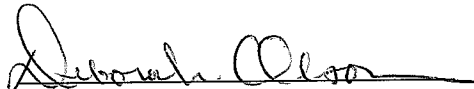
STATE OF UTAH)

: ss

County of SALT LAKE CITY


Before me personally appeared Thanh N. Truong and acknowledged the foregoing instrument to be his/her free act and deed this 2 day of May, 2006



  
Notary Public

Assignment  
US Patent Application  
Attorney Docket No. 25852.NP

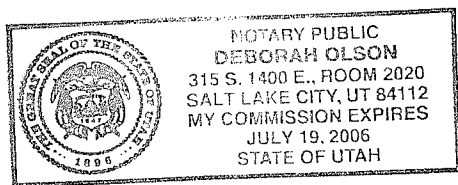
Signed at Salt Lake City, Utah, this 4<sup>th</sup> day of April, 2006.  
city, state, country (if not USA) day month year


Signed:   
Thomas Cook

STATE OF Utah)

: ss.  
County of Salt Lake City

Before me personally appeared Thomas Cook and acknowledged the foregoing instrument to be his/her free act and deed this 4<sup>th</sup> day of April, 2006



  
Notary Public

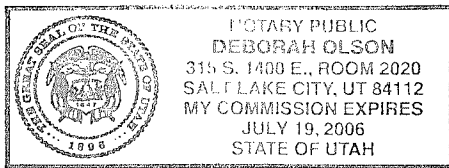
Assignment  
US Patent Application  
Attorney Docket No. 25852.NP

Signed at Salt Lake City, UT, this 4<sup>th</sup> day of April, 2006.  
city, state, country (if not USA) day month year

Signed: [Signature]  
Manohar Nayak

STATE OF UTAH  
: ss  
County of Salt Lake City

Before me personally appeared Manohar Nayak and acknowledged the foregoing instrument to be his/her free act and deed this 4<sup>th</sup> day of April, 2006



[Signature]  
Notary Public

WHEN RECORDED RETURN TO:

US PATENT APPLICATION  
ATTORNEY DOCKET NO. 00846-U4013.NP

Steve M. Perry  
THORPE NORTH & WESTERN, LLP  
P.O. BOX 1219  
SANDY, UTAH 84091-1219

## ASSIGNMENT

WHEREAS, the **University of Utah** (an institution of higher education and a nonprofit organization, organized and existing under the laws of the State of Utah, located at Salt Lake City, Utah) (hereinafter "Assignor") is the owner of an EXTENDABLE FRAMEWORK FOR DISTRIBUTED APPLICATIONS AND DATA (invention) for which a United States Patent Application was filed on March 13, 2007 as THORPE NORTH & WESTERN, LLP Docket No. 00846-U4013.NP, and given U.S. Patent Application Serial No. 11/685,683; and

WHEREAS, the **University of Utah Research Foundation**, a Non-Profit Corporation organized and existing under the laws of the State of Utah, located at 615 Arapeen Dr., Suite 310, Salt Lake City, UT 84108 (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention



Assignment  
US Patent Application  
Attorney Docket No. 00846-U4013.NP

in its own name, wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

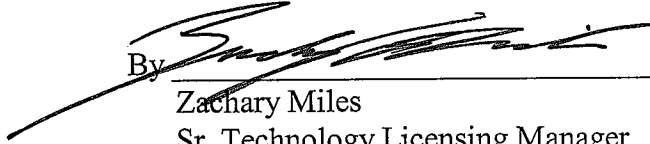
We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuing, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Assignment  
US Patent Application  
Attorney Docket No. 25852.NP

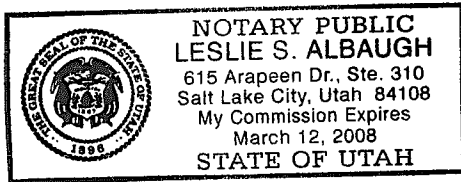
Executed this 10<sup>th</sup> day of May, 2006, at Salt Lake City, Utah.

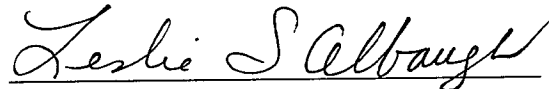
UNIVERSITY OF UTAH

By   
Zachary Miles  
Sr. Technology Licensing Manager

STATE OF UTAH    )  
                          : ss  
County of Salt Lake )

Before me personally appeared Zachary Miles, Sr. Technology Licensing Manager of the University of Utah and duly acknowledged to me that he signed this instrument on behalf of the University of Utah this 10<sup>th</sup> day of May, 2006.



  
Notary Public



**Memorandum**


**Date:** November 16, 2005

**To:** Zachary Miles, Technology Licensing Associate  
Technology Commercialization Office

**From:** Ray Gesteland, Vice President for Research  
President, University of Utah Research Foundation

**Subject:** Delegation of Signatory Authority

This memorandum confirms the authorization granted to you to execute and sign documents on behalf of the University of Utah and the University of Utah Research Foundation for patent documents, confidential disclosure agreements, and biological and materials transfer agreements.

  
\_\_\_\_\_  
Raymond F. Gesteland, Ph.D.

RFG/se

University of Utah Research Foundation  
201 S PRESIDENTS CIRCLE RM 210  
SALT LAKE CITY, UTAH 84112-9011

(801) 581-7236  
FAX (801) 585-6212