

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<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>Won-Ki Jeong</td> <td>02/04/2008</td> </tr> <tr> <td>Ross Whitaker</td> <td>02/04/2008</td> </tr> <tr> <td>University of Utah</td> <td>02/07/2008</td> </tr> </tbody> </table>		Name	Execution Date	Won-Ki Jeong	02/04/2008	Ross Whitaker	02/04/2008	University of Utah	02/07/2008		
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University of Utah	02/07/2008										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>University of Utah Research Foundation</td> </tr> <tr> <td>Street Address:</td> <td>615 Arapeen Dr., Suite 310</td> </tr> <tr> <td>City:</td> <td>Salt Lake City</td> </tr> <tr> <td>State/Country:</td> <td>UTAH</td> </tr> <tr> <td>Postal Code:</td> <td>84108</td> </tr> </table>		Name:	University of Utah Research Foundation	Street Address:	615 Arapeen Dr., Suite 310	City:	Salt Lake City	State/Country:	UTAH	Postal Code:	84108
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (801)566-0750</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 801-566-6633</p> <p>Email: halterman@tnw.com</p> <p>Correspondent Name: THORPE NORTH & WESTERN, LLP.</p> <p>Address Line 1: P.O. Box 1219</p> <p>Address Line 4: SANDY, UTAH 84091-1219</p>											
ATTORNEY DOCKET NUMBER:	00846-U4335.PROV.PCT.US										
NAME OF SUBMITTER:	Steve M. Perry										
<p>Total Attachments: 8</p> <p>source=00846-U4335PROVPCTUS-Assignment#page1.tif</p> <p>source=00846-U4335PROVPCTUS-Assignment#page2.tif</p>											

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WHEN RECORDED RETURN TO:

US PATENT APPLICATION
ATTORNEY DOCKET NO. 00846-U4335.NP

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

ASSIGNMENT

WHEREAS, We,

	Won-Ki Jeong
Residence:	Salt Lake City, Utah
Post Office Address:	750 University Village
	Salt Lake City, UT 84108

	Ross Whitaker
Residence:	Salt Lake City, Utah
Post Office Address:	937 E. 2 nd Avenue
	Salt Lake City, UT 84103

(hereinafter "Assignors") have invented a certain new and useful improvement in a FAST ITERATIVE METHOD FOR PROCESSING HAMILTON-JACOBI EQUATIONS for which a non-provisional application for United States Letters Patent was filed on April 27, 2010 as THORPE NORTH & WESTERN, LLP Docket No. 00846-U4335.NP, and given U.S. Patent Application Serial No. 12/740,061; 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.

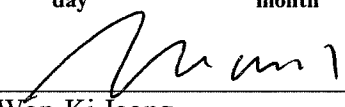
and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right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

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

Signed at Salt Lake City, UT, this 4 day of February, 2008.
city, state, country (if not USA) day month year

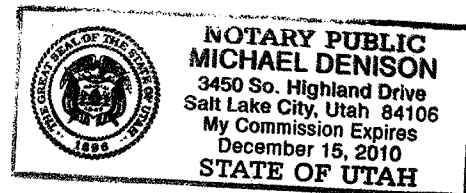
Signed: 

Won-Ki Jeong

STATE OF UTAH)
County of SALT LAKE) :SS

Before me personally appeared Won-Ki Jeong and acknowledged the foregoing instrument to be his/her free act and deed this 4th day of FEB, 2008.


Notary Public



Signed at Salt Lake City, UT, this 4 day of Feb, 2008.
city, state, country (if not USA) day month year

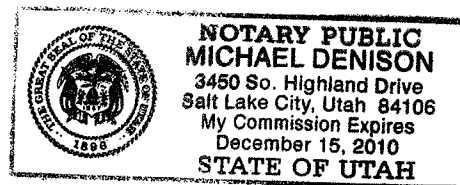
Signed: [Signature]
Ross Whitaker

STATE OF UTAH)
County of SALT LAKE) :SS

Before me personally appeared Ross Whitaker and acknowledged the foregoing instrument to be his/her free act and deed this 4TH day of FEB, 2008.

[Signature]
Notary Public

document in prolaw



WHEN RECORDED RETURN TO:

US PATENT APPLICATION
ATTORNEY DOCKET NO. 00846-U4335.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 FAST ITERATIVE METHOD FOR PROCESSING HAMILTON-JACOBI EQUATIONS for which a United States Patent Application was filed on April 27, 2010 as THORPE NORTH & WESTERN, LLP Docket No. 00846-U4335.NP, and given U.S. Patent Application Serial No. 12/740,061; 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 in its own name, wherever

Assignment
US Patent Application
Attorney Docket No. 00846-U4335.NP

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.

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Attorney Docket No. 00846-U4335.NP

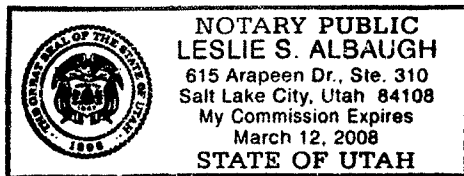
Executed this 7th day of February, 2008, at Salt Lake City,
Utah (place).

UNIVERSITY OF UTAH

By RKKulkarni
Rajiv Kulkarni
Sr. Technology Licensing Manager

STATE OF UTAH)
 : ss
County of Salt Lake)

Before me personally appeared Rajiv Kulkarni who is the 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 7th day of February, 2008.



Leslie S. Albaugh
Notary Public

MEMORANDUM

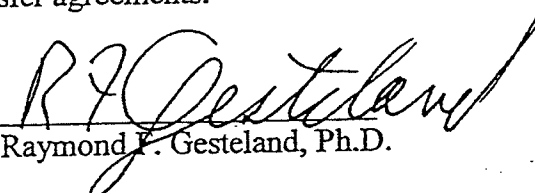
Date: 27 August 2003

To: Rajiv K. Kulkarni, Senior Technology Licensing Manager,
Technology Transfer Office

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

Subject: Delegation of Signatory Authority

This Memorandum confirms the continuing authorization, granted you since 17 September 2001, 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.

Vice President for Research
University of Utah

President
University of Utah Research Foundation

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

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RECORDED: 08/27/2010

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