

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Torsten Berger</td> <td>12/13/2012</td> </tr> <tr> <td>Elaine Chen</td> <td>12/19/2012</td> </tr> <tr> <td>Walter C. Shannon</td> <td>01/29/2013</td> </tr> <tr> <td>Robert Tipton</td> <td>12/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Torsten Berger	12/13/2012	Elaine Chen	12/19/2012	Walter C. Shannon	01/29/2013	Robert Tipton	12/19/2012
Name	Execution Date										
Torsten Berger	12/13/2012										
Elaine Chen	12/19/2012										
Walter C. Shannon	01/29/2013										
Robert Tipton	12/19/2012										
RECEIVING PARTY DATA											
Name:	Geomagic, Inc.										
Street Address:	430 Davis Drive, Suite 300										
City:	Morrisville										
State/Country:	NORTH CAROLINA										
Postal Code:	27560										
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>13682585</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13682585						
Property Type	Number										
Application Number:	13682585										
CORRESPONDENCE DATA											
Fax Number:	6175025002										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	617-248-5000										
Email:	PatentDocket@Choate.com, clawlor@choate.com										
Correspondent Name:	CHOATE HALL & STEWART LLP - PATENTDOCKET										
Address Line 1:	TWO INTERNATIONAL PLACE										
Address Line 4:	BOSTON, MASSACHUSETTS 02110										
ATTORNEY DOCKET NUMBER:	2010508-0080										
NAME OF SUBMITTER:	Natalie J. Grace										
This document serves as an Oath/Declaration (37 CFR 1.63).											

OP \$40.00 13682585

Total Attachments: 28

source=2010508-0080_Assignment_Declaration#page1.tif
source=2010508-0080_Assignment_Declaration#page2.tif
source=2010508-0080_Assignment_Declaration#page3.tif
source=2010508-0080_Assignment_Declaration#page4.tif
source=2010508-0080_Assignment_Declaration#page5.tif
source=2010508-0080_Assignment_Declaration#page6.tif
source=2010508-0080_Assignment_Declaration#page7.tif
source=2010508-0080_Assignment_Declaration#page8.tif
source=2010508-0080_Assignment_Declaration#page9.tif
source=2010508-0080_Assignment_Declaration#page10.tif
source=2010508-0080_Assignment_Declaration#page11.tif
source=2010508-0080_Assignment_Declaration#page12.tif
source=2010508-0080_Assignment_Declaration#page13.tif
source=2010508-0080_Assignment_Declaration#page14.tif
source=2010508-0080_Assignment_Declaration#page15.tif
source=2010508-0080_Assignment_Declaration#page16.tif
source=2010508-0080_Assignment_Declaration#page17.tif
source=2010508-0080_Assignment_Declaration#page18.tif
source=2010508-0080_Assignment_Declaration#page19.tif
source=2010508-0080_Assignment_Declaration#page20.tif
source=2010508-0080_Assignment_Declaration#page21.tif
source=2010508-0080_Assignment_Declaration#page22.tif
source=2010508-0080_Assignment_Declaration#page23.tif
source=2010508-0080_Assignment_Declaration#page24.tif
source=2010508-0080_Assignment_Declaration#page25.tif
source=2010508-0080_Assignment_Declaration#page26.tif
source=2010508-0080_Assignment_Declaration#page27.tif
source=2010508-0080_Assignment_Declaration#page28.tif

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Torsten Berger	Watertown, MA 02472 Tigard, OR 97223
2. Elaine Chen	Arlington, MA 02474
3. Walter C. Shannon	West Newton, MA 02465
4. Bob Tipton	Woburn, MA 01801

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

**APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED
ONTO THE SURFACE OF A VIRTUAL OBJECT; and**

- prepared for filing in the United States Patent and Trademark Office; or
 - identified by United States Application Serial No. 13/682585 filed in the United States Patent and Trademark Office on November 20, 2012; and
 - identified by International Patent Application No. Serial No. filed on Filing Date;
- and
- is also aware of the following priority applications:

Serial No.: 13/465, 507; Filed: May 7, 2012
 Serial No.: 13/026,667; Filed: February 14, 2011
 Serial No.: 10/733,862; Filed: December 10, 2003

WHEREAS Geomagic, Inc. (hereinafter "ASSIGNEE"), having a usual place of business at 430 Davis Drive, Suite 300, Morrisville, NC 27560, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby

confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

B. DECLARATION (37 CFR 1.63)

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

**APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED ONTO
THE SURFACE OF A VIRTUAL OBJECT;** and

identified by United States Application Serial No. 13/682585 filed in the United States Patent and Trademark Office on **November 20, 2012**; or

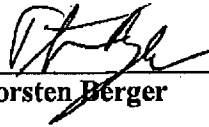
The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

SIGNED this 13th day of December, 2012.



Name: Torsten Berger

STATE OF Oregon SS.

COUNTY OF Washington

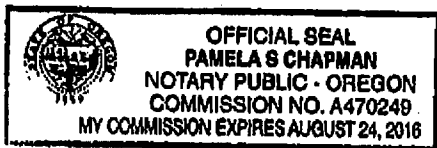
Before me this 13th day of December, 2012, personally appeared Torsten Berger, and proved to me through satisfactory evidence of identity which was State Identification to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC



Name: Pam Chapman

My Commission Expires: 08/24/2016



SIGNED this _____ day of _____, 20__.

Name: **Elaine Chen**

STATE OF _____
SS.

COUNTY OF _____

Before me this ____ day of _____, 20__, personally appeared **Elaine Chen**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

SIGNED this _____ day of _____, 20__.

Name: **Walter C. Shannon**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20____, personally appeared **Walter C. Shannon**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

SIGNED this _____ day of _____, 20__.

Name: **Bob Tipton**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20____, personally appeared **Bob Tipton**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____

My Commission Expires: _____

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Torsten Berger	Watertown, MA 02472
2. Elaine Chen	Arlington, MA 02474
3. Walter C. Shannon	West Newton, MA 02465
4. Bob Tipton	Woburn, MA 01801

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED ONTO THE SURFACE OF A VIRTUAL OBJECT; and

- prepared for filing in the United States Patent and Trademark Office; or
 - identified by United States Application Serial No. **13/682585** filed in the United States Patent and Trademark Office on **November 20, 2012**; and
 - identified by International Patent Application No. **Serial No.** filed on **Filing Date**;
- and
- is also aware of the following priority applications:

Serial No.: 13/465, 507; Filed: May 7, 2012
Serial No.: 13/026,667; Filed: February 14, 2011
Serial No.: 10/733,862; Filed: December 10, 2003

WHEREAS **Geomagic, Inc.** (hereinafter "ASSIGNEE"), having a usual place of business at **430 Davis Drive, Suite 300, Morrisville, NC 27560**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby

confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

B. **DECLARATION (37 CFR 1.63)**

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

**APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED ONTO
THE SURFACE OF A VIRTUAL OBJECT; and**

identified by United States Application Serial No. 13/682585 filed in the United States Patent and Trademark Office on November 20, 2012; or

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

SIGNED this _____ day of _____, 20__.

Name: **Torsten Berger**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20__, personally appeared **Torsten Berger**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____

My Commission Expires: _____

SIGNED this 19th day of December, 2012.

Elaine Chen

Name: Elaine Chen

STATE OF Massachusetts

SS. 015, 72, 5113

COUNTY OF USA

Before me this 19th day of December, 2012, personally appeared Elaine Chen, and proved to me through satisfactory evidence of identity which was US passport to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.



NOTARY PUBLIC

Debra L. Gard
Name: Debra L. Gard

My Commission Expires: 1.18.19

SIGNED this _____ day of _____, 20__.

Name: **Walter C. Shannon**

STATE OF _____ SS.

COUNTY OF _____

Before me this _____ day of _____, 20____, personally appeared **Walter C. Shannon**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____

My Commission Expires: _____

SIGNED this _____ day of _____, 20__.

Name: **Bob Tipton**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20__, personally appeared **Bob Tipton**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Torsten Berger	Watertown, MA 02472
2. Elaine Chen	Arlington, MA 02474
3. Walter C. Shannon	West Newton, MA 02465
4. Bob Tipton	Woburn, MA 01801

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED ONTO THE SURFACE OF A VIRTUAL OBJECT; and

- prepared for filing in the United States Patent and Trademark Office; or
 - identified by United States Application Serial No. **13/682585** filed in the United States Patent and Trademark Office on **November 20, 2012**; and
 - identified by International Patent Application No. **Serial No.** filed on **Filing Date**;
- and
- is also aware of the following priority applications:

Serial No.: 13/465, 507; Filed: May 7, 2012
Serial No.: 13/026,667; Filed: February 14, 2011
Serial No.: 10/733,862; Filed: December 10, 2003

WHEREAS **Geomagic, Inc.** (hereinafter "ASSIGNEE"), having a usual place of business at **430 Davis Drive, Suite 300, Morrisville, NC 27560**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby

confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

B. **DECLARATION (37 CFR 1.63)**

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

**APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED ONTO
THE SURFACE OF A VIRTUAL OBJECT; and**

identified by United States Application Serial No. 13/682585 filed in the United States Patent and Trademark Office on November 20, 2012; or

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

SIGNED this _____ day of _____, 20__.

Name: **Torsten Berger**

STATE OF _____ SS.

COUNTY OF _____

Before me this ____ day of _____, 20__, personally appeared **Torsten Berger**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

SIGNED this _____ day of _____, 20__.

Name: Elaine Chen

STATE OF _____ SS.

COUNTY OF _____

Before me this ____ day of _____, 20__, personally appeared Elaine Chen, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

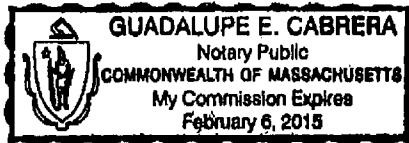
Name: _____
My Commission Expires: _____

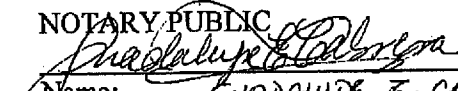
SIGNED this 29TH day of JANUARY, 2013.


Name: Walter C. Shannon

STATE OF MASSACHUSETTS SS.
COUNTY OF MIDDLESEX

Before me this 29TH day of JANUARY, 2013, personally appeared Walter C. Shannon, and proved to me through satisfactory evidence of identity which was MA, DRIVERS LICENSE to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.



NOTARY PUBLIC

Name: GUADALUPE E. CABRERA
My Commission Expires: FEBRUARY 6th 2015

SIGNED this _____ day of _____, 20__.

Name: **Bob Tipton**

STATE OF _____ SS.

COUNTY OF _____

Before me this _____ day of _____, 20__, personally appeared **Bob Tipton**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Torsten Berger	Watertown, MA 02472
2. Elaine Chen	Arlington, MA 02474
3. Walter C. Shannon	West Newton, MA 02465
4. Bob Tipton	Woburn, MA 01801

Robert

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

**APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED
ONTO THE SURFACE OF A VIRTUAL OBJECT; and**

- prepared for filing in the United States Patent and Trademark Office; or
 - identified by United States Application Serial No. 13/682585 filed in the United States Patent and Trademark Office on November 20, 2012; and
 - identified by International Patent Application No. Serial No. filed on Filing Date;
- and
- is also aware of the following priority applications:

Serial No.: 13/465, 507; Filed: May 7, 2012
 Serial No.: 13/026,667; Filed: February 14, 2011
 Serial No.: 10/733,862; Filed: December 10, 2003

WHEREAS Geomagic, Inc. (hereinafter "ASSIGNEE"), having a usual place of business at 430 Davis Drive, Suite 300, Morrisville, NC 27560, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby

confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

B. DECLARATION (37 CFR 1.63)

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

**APPARATUS AND METHODS FOR ADJUSTING A TEXTURE WRAPPED ONTO
THE SURFACE OF A VIRTUAL OBJECT; and**

identified by United States Application Serial No. 13/682585 filed in the United States Patent and Trademark Office on November 20, 2012; or

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

SIGNED this _____ day of _____, 20__.

Name: **Torsten Berger**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20__, personally appeared **Torsten Berger**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____

My Commission Expires: _____

SIGNED this _____ day of _____, 20__.

Name: **Elaine Chen**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20____, personally appeared **Elaine Chen**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

SIGNED this _____ day of _____, 20__.

Name: **Walter C. Shannon**

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 20____, personally appeared **Walter C. Shannon**, and proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: _____
My Commission Expires: _____

SIGNED this 19 day of Dec, 2012.

[Signature]
Name: Bob Tipton
Robert (NS)

STATE OF Massachusetts SS.
COUNTY OF Middlesex

Before me this 19 day of dec, 2012, personally appeared ^{Robert} Bob Tipton, and proved to me through satisfactory evidence of identity which was Driver's License to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

DL. Lic. MA.
S61839995
exp 04/29/2017.

NOTARY PUBLIC
Name: Ne had M Soliman
My Commission Expires: 1/20/17



[Signature]
12/19/2012.