

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SensAble Technologies, Inc.	04/11/2012

RECEIVING PARTY DATA

Name:	Geomagic, Inc.
Street Address:	430 Davis Drive
Internal Address:	Suite 300
City:	Morrisville
State/Country:	NORTH CAROLINA
Postal Code:	27709

PROPERTY NUMBERS Total: 33

Property Type	Number
Patent Number:	6084587
Patent Number:	7319466
Patent Number:	7800609
Patent Number:	6191796
Patent Number:	6421048
Patent Number:	6552722
Patent Number:	6792398
Patent Number:	7864173
Patent Number:	6831640
Patent Number:	7102635
Patent Number:	7259761
Patent Number:	7889195
Patent Number:	6985133
Patent Number:	6417638

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Patent Number:	7714836
Patent Number:	6879315
Patent Number:	6867770
Patent Number:	7212203
Patent Number:	6958752
Patent Number:	7710415
Patent Number:	6671651
Patent Number:	7103499
Patent Number:	7411576
Patent Number:	D510739
Patent Number:	7990374
Patent Number:	7889209
Patent Number:	7149596
Patent Number:	7095418
Patent Number:	7400331
Patent Number:	7382378
Patent Number:	7808509
Patent Number:	7626589
Patent Number:	8040345

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2010508
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NAME OF SUBMITTER:	William R. Haulbrook
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Total Attachments: 7
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ASSIGNMENT

THIS ASSIGNMENT, made by **SENSABLE TECHNOLOGIES, INC.**, a corporation of the state of Delaware, having its principal place of business at 181 Ballardvale Street, Wilmington, Massachusetts;

WITNESSETH: That,

WHEREAS, the above named corporation has previously acquired the entire right, title, and interest in and to the U.S. and Non-U.S. patents and patent applications set forth in Schedule A attached hereto, and all rights therein provided by international conventions or treaties, and the inventions disclosed and claimed therein, and any applications that rely on one or more of the patents and patent applications set forth in Schedule A for priority, including with respect to all the foregoing, any and all divisionals, continuations, continuations-in-part, reissues, reexaminations thereof as well as foreign counterparts thereof, together with all patents issuing on any of the aforesaid applications for a patent (collectively the "Patents and Applications");

WHEREAS, **GEOMAGIC, INC.**, a corporation organized under the laws of Delaware, having its principal place of business at 430 Davis Drive, Suite 300, Morrisville, NC, hereinafter referred to as assignee, is desirous of acquiring the assignor's entire right, title, and interest in and to said Patents and Applications;

NOW, THEREFORE, To All Whom It May Concern, be it known for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the above assignor has sold and by these presents does hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, its entire right, title, and interest in and to said Patents and Applications.

The assignor further covenants and agrees that, at the time of the execution and delivery of these presents, it possessed full title to said Patents and Applications, and that it has the unencumbered right and authority to make this assignment.

IN WITNESS WHEREOF, the assignor has caused this assignment to be executed on this 11 day of April, 2012.

SENSABLE TECHNOLOGIES, INC

By: Marcus Lovell Smith

Printed Name: Marcus Lovell Smith

Title: Chief Executive Officer


COMMONWEALTH OF MASSACHUSETTS)
) ss:
COUNTY OF MIDDLESEX)

Before me personally appeared Marcus Lovell Smith, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 11 day of April, 2012.

Bree-Na M. Watson
Notary Public

My Commission Expires: June 8, 2018



 BREE-NA M. WATSON
Notary Public
Commonwealth of Massachusetts
My Commission Expires June 8, 2018

IN WITNESS WHEREOF, the assignee has caused this assignment to be executed on this 11th day of April, 2012.

GEOMAGIC, INC.

By: Thomas M. Kurke (SEAL)

Printed Name: Thomas M. Kurke

Title: President and Chief Operating Officer

STATE OF NORTH CAROLINA)
COUNTY OF Wake) ss:

Before me personally appeared Thomas M. Kurke, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 11 day of April, 2012.



Cecilia Gonzalez
Notary Public

SEAL
My Commission Expires November 29, 2012

Schedule A

SNS-001	U.S. Patent No. 6,084,587	OpenHaptics, Haptics applications / Method and apparatus for generating and interfacing with a haptic virtual reality environment	8/2/1996 & 7/4/2000
SNS-001CN	U.S. Patent No. 7,319,466	Freeform, SDLS, OpenHaptics, Haptics applications / Method and apparatus for generating and interfacing with a haptic virtual reality environment	5/18/2000 & 1/15/2008
SNS-001C2	U.S. Patent No. 7,800,609	Freeform, SDLS, OpenHaptics, Haptics applications / Method and apparatus for generating and interfacing with a haptic virtual reality environment	1/2/2008 & 9/21/2010
SNS-005	U.S. Patent No. 6,191,796	Haptics applications / Method and Apparatus for Generating and Interfacing with Rigid and Deformable Surfaces in a Haptic Virtual Reality Environment	1/21/1998 & 2/20/2001
SNS-006	U.S. Patent No. 6,421,048	FreeForm, SDLS, Haptics applications / Systems and methods for interacting with virtual objects in a haptic virtual reality environment	6/28/1999 & 7/16/2002
SNS-006CP	U.S. Patent No. 6,552,722	FreeForm, SDLS, Haptics applications / Systems and methods for sculpting virtual objects in a haptic virtual reality environment	7/6/1999 & 4/22/2003
SNS-006CP2	U.S. Patent No. 6,792,398	FreeForm, SDLS / Systems and methods for creating virtual objects in a sketch mode in a haptic virtual reality environment	7/14/1999 & 9/14/2004
SNS-006CP3	U.S. Patent No. 7,864,173	FreeForm, SDLS, / Systems and Methods for Creating Virtual Objects in a Sketch Mode in a Haptic Virtual Reality Environment	7/27/2004 & 1/4/2011
SNS-006CP1A	U.S. Patent No. 6,831,640	FreeForm, SDLS / Systems and methods for sculpting virtual objects in a haptic virtual reality environment	2/26/2003 & 12/14/2004
SNS-006CP1B	U.S. Patent No. 7,102,635	FreeForm, SDLS / Systems and methods for sculpting virtual objects in a haptic virtual reality	5/12/2004 & 9/5/2006

		environment	
SNS-006CP1C	U.S. Patent No. 7,259,761	FreeForm, SDLS / Systems and methods for sculpting virtual objects in a haptic virtual environment	7/17/2006 & 8/21/2007
SNS-006CP1D	U.S. Patent No. 7,889,195	FreeForm, SDLS, / Systems and Methods for Sculpting Virtual Objects in a Haptic Virtual Reality Environment	8/17/2007 & 2/15/2011
SNS-007	U.S. Patent No. 6,985,133	Phantom Desktop / Force reflecting haptic interface	7/16/1999 & 1/10/2006
SNS-007A	U.S. Patent No. 6,417,638	Phantom Desktop / Force reflecting haptic interface	7/16/1999 & 7/9/2002
SNS-007C1	U.S. Patent No. 7,714,836	Phantom Desktop / Force Reflecting Haptic Interface	9/20/2005 & 5/11/2010
SNS-007D1	U.S. Patent No. 6,879,315	Phantom Desktop / Force reflecting haptic interface	5/13/2002 & 4/12/2005
SNS-009A	U.S. Patent No. 6,867,770	FreeForm, SDLS / Systems and methods for voxel warping	12/14/2001 & 3/15/2005
SNS-009AC1	U.S. Patent No. 7,212,203	FreeForm, SDLS / Systems and methods for voxel warping	2/8/2005 & 5/1/2007
SNS-009B	U.S. Patent No. 6,958,732	FreeForm, SDLS / Systems and Methods for Three- Dimensional Modeling	12/14/2001 & 10/25/2005
SNS-009BC1	U.S. Patent No. 7,710,415	FreeForm / Systems and Methods for Three- Dimensional Modeling	7/11/2005 & 5/4/2010
SNS-010	U.S. Patent No. 6,671,651	FreeForm, SDLS, Haptics and nonhaptics applications / 3-D selection and manipulation with a multiple dimension haptic interface	4/26/2002 & 12/30/2003
SNS-010C1	U.S. Patent No. 7,103,499	FreeForm, SDLS, Haptics and nonhaptics applications / 3-D selection and manipulation with a multiple dimension haptic interface	8/28/2003 & 9/5/2006
SNS-011	U.S. Patent No. 7,411,576	Phantom Omni / Force Reflecting Haptic Interface	10/30/2003 & 8/12/2008
SNS-011CN	Chinese Patent No. ZL200480035445.8	Phantom Omni / Force Reflecting Haptic Interface	10/29/2004 & 12/17/2008
SNS-011JP	Japanese Patent No. 4,866,735	Phantom Omni / Force Reflecting Haptic Interface	10/29/2004 & 11/18/2011
SNS-011D	U.S. Patent No. D510,739	Phantom Omni / Computer Interface	10/30/2003 & 10/18/2005
SNS-011D-CA	Canadian Design No. 106802	Phantom Omni / Computer Interface	4/29/2004 & 8/22/2005
SNS-011D-EP	European Registered Design	Phantom Omni /	4/28/2004 &

	No. 168638	Computer Interface	4/28/2004
SNS-011D-JP	Japanese Patent No. 1244695	Phantom Omni / Computer Interface	4/30/2004 & 5/20/2005
SNS-012	U.S. Patent No. 7,990,374	OpenHaptics / Apparatus and Methods for Haptic Rendering Using Data in a Graphics Pipeline	6/28/2005 & 8/2/2011
SNS-013	U.S. Patent No. 7,889,209	FreeForm / Apparatus and Methods for Wrapping Texture Onto the Surface of a Virtual Object	12/10/2003 & 2/15/2011
SNS-014	U.S. Patent No. 7,149,596	FreeForm, SDLS / Apparatus and methods for modifying a model of an object to enforce compliance with a manufacturing constraint	5/28/2004 & 12/12/2006
SNS-015	U.S. Patent No. 7,095,418	FreeForm, SDLS / Apparatus and methods for texture mapping	10/30/2003 & 8/22/2006
SNS-015DV	U.S. Patent No. 7,400,331	FreeForm, SDLS / Apparatus and methods for texture mapping	6/26/2006 & 7/15/2008
SNS-016	U.S. Patent No. 7,382,378	FreeForm, SDLS, / Apparatus and Methods for Stenciling an Image	10/30/2003 & 6/3/2008
SNS-016C1	U.S. Patent No. 7,808,509	FreeForm, SDLS, / Apparatus and Methods for Stenciling an Image	3/24/2008 & 10/5/2010
SNS-017	U.S. Patent No. 7,626,589	FreeForm / Haptic Graphical User Interface for Adjusting Mapped Texture	12/10/2003 & 12/1/2009
SNS-022	U.S. Patent No. 8,040,345	SDLS / Systems for hybrid geometric/volumetric representation of 3d objects	11/30/2007 & 10/18/2011

Pending Patents

SNS-006C4	USSN No. 12/983,553	Systems and Methods for Interfacing with a Virtual Object in a Haptic Virtual Environment	1/3/11
SNS-011D1	USSN No. 12/169,304	Phantom Omni / Force Reflecting Haptic Interface	7/8/2008
SNS-013C1	USSN No. 13/026,667	Apparatus and Methods for Wrapping Texture Onto the Surface of a Virtual Object	2/14/11
SNS-018	USSN No. 11/169,271	Apparatus and Methods for Haptic Rendering Using a Haptic Camera View	6/28/05

SNS-022EP	07853197.7	Systems for Hybrid Geometric/Volumetric Representation of 3D Objects	11/30/07
SNS-022HK	10102786.2	Systems for Hybrid Geometric/Volumetric Representation of 3D Objects	11/30/07
SNS-025	USSN No. 12/692,459	Haptically Enabled Coterminous Production of Prosthetics and Patient Preparations in Medical and Dental Applications	1/22/10
SNS-026	USSN No. 13/271,759	System and apparatus for haptically enabled three-dimensional scanning	10/12/11
SNS-027	USSN No. 13/035,381	Systems and Methods for Creating Near Real-Time Embossed Meshes	2/25/11
SNS-027PC	US11/26282	Systems and Methods for Creating Near Real-Time Embossed Meshes	2/25/11
SNS-028	USSN No. 13/106,387	Method and Apparatus for Adding Detail to a 3D Solid Model Using a Secondary Geometric Representation	5/12/11
SNS-030	USSN No. 13/208,992	Fabrication of Non-Homogeneous Articles via Additive Manufacturing Using Three-Dimensional Voxel-Based Models	8/12/11