

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2752714

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>HOWARD JAY CHIZECK</td> <td>02/26/2014</td> </tr> <tr> <td>FREDRIK RYDEN</td> <td>02/05/2014</td> </tr> </tbody> </table>		Name	Execution Date	HOWARD JAY CHIZECK	02/26/2014	FREDRIK RYDEN	02/05/2014
Name	Execution Date						
HOWARD JAY CHIZECK	02/26/2014						
FREDRIK RYDEN	02/05/2014						
RECEIVING PARTY DATA							
Name:	UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION						
Street Address:	4311 11TH AVENUE NE						
Internal Address:	SUITE 500						
City:	SEATTLE						
State/Country:	WASHINGTON						
Postal Code:	98105						
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>14164114</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14164114		
Property Type	Number						
Application Number:	14164114						
CORRESPONDENCE DATA							
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Phone:	312-913-0001						
Email:	docketing@mbhb.com						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	MCDONNELL BOEHNEN HUBERT & BERGHOFF LLP/						
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Address Line 2:	SUITE 3100						
Address Line 4:	CHICAGO, ILLINOIS 60606						
ATTORNEY DOCKET NUMBER:	13-1704-US						
NAME OF SUBMITTER:	THOMAS J. LOOS						
Signature:	/Thomas J. Loos/						

PATENT

Date:

03/04/2014

Total Attachments: 3

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**ASSIGNMENT**

Case No.: **13-1704-US**

Serial No.: 14/164,114

Inventors: **Howard Jay Chizeck and Fredrik Ryden**

Date of Execution  
of Application:

Filing Date: January 24, 2014

In consideration of good and valuable consideration provided to assignor, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**University of Washington through its Center for Commercialization**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**Methods and Systems for Six Degree-of-Freedom Haptic Interaction  
with Streaming Point Data**

and identified as:

**Case No. 13-1704-US**

in the offices of MCDONNELL BOEHLEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign (including but not limited to all countries on the list below\*), which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries (including but not limited to all countries on the list below\*), which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

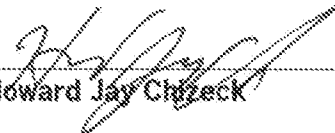
The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries

(including but not limited to all countries on the list below\*) on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

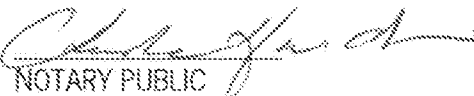
\*Countries include, but are not limited to: all member countries of the Patent Cooperation Treaty (PCT) including Albania, Algeria, Antigua and Barbuda, Armenia, Australia, Austria, Azerbaijan, Barbados, Belarus, Belgium, Belize, Benin, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Canada, Central African Republic, Chad, China, Colombia, Congo, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Democratic People's Republic of Korea, Denmark, Dominica, Ecuador, Estonia, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Grenada, Guinea, Guinea-Bissau, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Kenya, Krygyzstan, Latvia, Lesotho, Liberia, Liechtenstein, Lithuania, Luxembourg, Madagascar, Malawi, Mali, Mauritania, Mexico, Monaco, Mongolia, Morocco, Netherlands, New Zealand, Niger, Norway, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikstan, The former Yugoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, United States of America, Uzbekistan, Vietnam, Yugoslavia, Zambia, Zimbabwe.

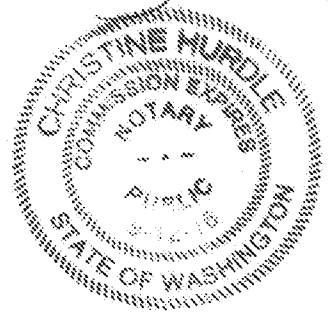
WITNESS my hand and seal this 26 day of Feb., 2014.

  
Howard Jay Chizeck

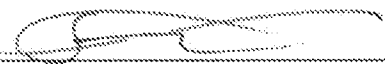
State of Washington  
County of King

The foregoing instrument was acknowledged before me this 26<sup>th</sup> day of February, 2014 by Howard Chizeck

  
NOTARY PUBLIC



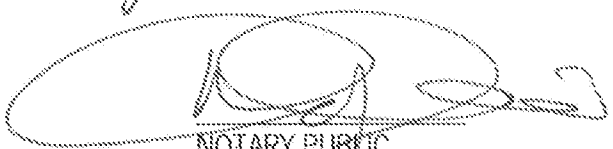
WITNESS my hand and seal this 5 day of February, 2014.

  
\_\_\_\_\_  
Fredrik Ryden

State of WA

County of King

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of February, 2014 by Fredrik Ryden

  
\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires 11/10/2014

