

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4424732

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KENNETH BIRDWELL	02/26/2016
RECEIVING PARTY DATA		
Name:	VALVE CORPORATION	
Street Address:	10900 NE 4TH STREET	
Internal Address:	SUITE 500	
City:	BELLEVUE	
State/Country:	WASHINGTON	
Postal Code:	98004	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14933955
CORRESPONDENCE DATA		
Fax Number:	(949)258-5752	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	949-340-9736	
Email:	rey@bhiplaw.com	
Correspondent Name:	BARCELO, HARRISON & WALKER, LLP	
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Address Line 2:	SUITE 200	
Address Line 4:	NEWPORT BEACH, CALIFORNIA 92663	
ATTORNEY DOCKET NUMBER:	VAL-1201-P	
NAME OF SUBMITTER:	REYNALDO C. BARCELÓ	
SIGNATURE:	/s Reynaldo C. Barceló, Reg. 42,290/	
DATE SIGNED:	05/22/2017	
Total Attachments: 2		
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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned:

Kenneth Birdwell

hereby sell, assign, and transfer to:

Valve Corporation

a Washington Corporation, having a principal place of business at 10900 NE 4th Street, Suite 500, Bellevue, WA 98004 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the applications for the United States patents that have been executed by the undersigned prior hereto on the dates indicated below and are entitled:

**SENSORY FEEDBACK SYSTEMS AND METHODS FOR GUIDING USERS
IN VIRTUAL REALITY ENVIRONMENTS**

U.S. Application No. 14/933,955-- Filed November 5, 2015

International Application PCT/US15/59329 - Filed November 5, 2015

**SENSORY FEEDBACK SYSTEMS AND METHODS FOR GUIDING USERS
IN VIRTUAL REALITY ENVIRONMENTS**

U.S. Application No. 62/126,695

Filed March 1, 2015

**SENSORY FEEDBACK SYSTEMS AND METHODS FOR GUIDING USERS
IN VIRTUAL REALITY ENVIRONMENTS**

U.S. Application No. 62/075,742

Filed November 5, 2014

and in and to said applications and all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States applications, and in all subsequent PCT and foreign applications claiming priority to the United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its

successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ASSIGNMENT

Titles of Inventions:

**SENSORY FEEDBACK SYSTEMS AND METHODS FOR GUIDING USERS
IN VIRTUAL REALITY ENVIRONMENTS**

U.S. Application No. 14/933,955 - Filed November 5, 2015

International Application PCT/US15/59329 - Filed November 5, 2015

**SENSORY FEEDBACK SYSTEMS AND METHODS FOR GUIDING USERS
IN VIRTUAL REALITY ENVIRONMENTS**

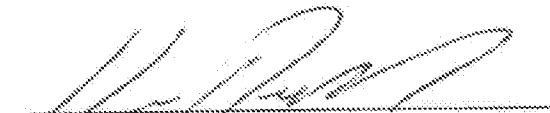
U.S. Application No. 62/126,695

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**SENSORY FEEDBACK SYSTEMS AND METHODS FOR GUIDING USERS
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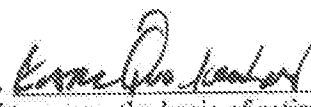
U.S. Application No. 62/075,742

Filed November 5, 2014

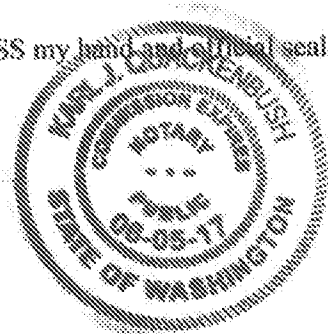

Kenneth Birdwell

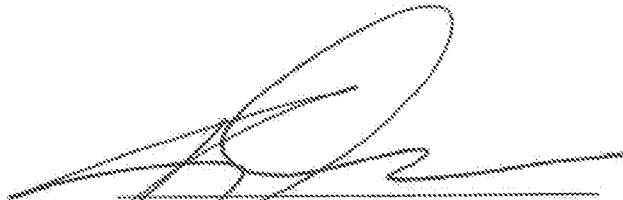
2-26-16
Date

State of Washington)
County of Kearney) ss.

On Feb 26, 2016, before me, , Notary Public, personally appeared **Kenneth Birdwell** and proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




Notary Public