

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JULIE ANN DEHNE	10/06/2011
WILLIAM ANDREW WEST	10/06/2011
DONALD WAYNE ALLEN	10/06/2011
PHILIP ALBERT LARSON	10/05/2011
DEAN LEROY HENNING	10/06/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VIV SOLUTIONS LLC
<b>Street Address:</b>	4323 Lake Kemp Court
<b>City:</b>	Richmond
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77406
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13274207
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(310)820-5988
<b>Phone:</b>	310-207-3800
<b>Email:</b>	FIP_group@bstz.com, nedy_calderon@bstz.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
<b>Address Line 1:</b>	1279 OAKMEAD PARKWAY
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94085-4040
<b>ATTORNEY DOCKET NUMBER:</b>	9228P005
<b>NAME OF SUBMITTER:</b>	Stacie J. Sundquist

**CH \$40.00 13274207**

**Total Attachments: 6**

source=P005\_Assignment\_Signed#page1.tif

source=P005\_Assignment\_Signed#page2.tif

source=P005\_Assignment\_Signed#page3.tif

source=P005\_Assignment\_Signed#page4.tif

source=P005\_Assignment\_Signed#page5.tif

source=P005\_Assignment\_Signed#page6.tif

## **ASSIGNMENT**

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

**Julie Ann Dehne; William Andrew West; Donald Wayne Allen; Philip Albert Larson; Dean Leroy Henning**

hereby sell, assign, and transfer to

### **VIV Solutions LLC**

a Limited Liability Company of Texas, having a principal place of business at 4323 Lake Kemp Court, Richmond, Texas 77406 United States ("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 or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

### **HELICAL STRAKE SYSTEMS**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 13/274,207 filed 10/14/2011,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, 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 or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or 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.

**Each Inventor: Please Sign and Date Below:**

10.6.2011        
Date                      Name: **Julie Ann Dehne**

\_\_\_\_\_  
Date                      Name: **William Andrew West**

\_\_\_\_\_  
Date                      Name: **Donald Wayne Allen**

\_\_\_\_\_  
Date                      Name: **Phillip Albert Larson**

\_\_\_\_\_  
Date                      Name: **Dean Leroy Henning**

\_\_\_\_\_  
Date                      Name:

\_\_\_\_\_  
Date                      Name:

\_\_\_\_\_  
Date                      Name:

\_\_\_\_\_  
Date                      Name:

\_\_\_\_\_  
Date                      Name:

\_\_\_\_\_  
Date                      Name:

\_\_\_\_\_  
Date                      Name:

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (310) 207-3800

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.

**Each inventor: Please Sign and Date Below:**

---

Date \_\_\_\_\_ Name: **Julie Ann Dehne**

*06-October-2011* *William Andrew West*  
Date \_\_\_\_\_ Name: **William Andrew West**

Date \_\_\_\_\_ Name: **Donald Wayne Allen**

Date \_\_\_\_\_ Name: **Philip Albert Larson**

Date \_\_\_\_\_ Name: **Dean Leroy Henning**

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAPMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (310) 207-3800

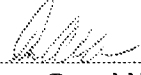
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is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

**Each Inventor: Please Sign and Date Below:**

---

.....  
Date Name: **Julie Ann Dehne**

.....  
Date Name: **William Andrew West**

.....  
10/6/16   
Date Name: **Donald Wayne Allen**

.....  
Date Name: **Phillip Albert Larson**

.....  
Date Name: **Dean Leroy Henning**

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (310) 207-3800

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.


**Each Inventor: Please Sign and Date Below:**

---

Date \_\_\_\_\_ Name: **Julie Ann Dehne**

Date \_\_\_\_\_ Name: **William Andrew West**

Date \_\_\_\_\_ Name: **Donald Wayne Allen**

10/5/2011   
Date \_\_\_\_\_ Name: **Philip Albert Larson**

Date \_\_\_\_\_ Name: **Dean Leroy Henning**

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (310) 207-3800

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.

**Each Investor: Please Sign and Date Below:**

---

.....  
Date Name: **Julie Ann Dahne**

.....  
Date Name: **William Andrew West**

.....  
Date Name: **Donald Wayne Allen**

.....  
Date Name: **Phillip Albert Larson**

*10/6/2011* *Dean Leroy Henning*  
Date Name: **Dean Leroy Henning**

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

.....  
Date Name:

Assignment Document Return Address:  
BLAKELY, SOLOVOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (310) 207-3800