

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| | |
|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Theodore Smick | 11/14/2011 |
| Geoffrey Ryding | 11/14/2011 |
| Hilton Glavish | 11/14/2011 |
| Takao Sakase | 11/22/2011 |
| William Park Jr. | 11/14/2011 |
| Paul Eide | 11/14/2011 |
| Drew Arnold | 11/16/2011 |
| Ronald Horner | 11/15/2011 |
| Joseph Gillespie | 11/14/2011 |

RECEIVING PARTY DATA

| | |
|------------------------|-----------------------------------|
| Name: | Twin Creeks Technologies, Inc. |
| Street Address: | 3930 North First Street, Suite 10 |
| City: | San Jose |
| State/Country: | CALIFORNIA |
| Postal Code: | 91534 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13296436 |

CORRESPONDENCE DATA

Fax Number: (858)847-0017
 Email: Heather@themuellerlawoffice.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
 Correspondent Name: Heather Mueller
 Address Line 1: 12707 High Bluff Drive, Ste. 200
 Address Line 4: San Diego, CALIFORNIA 92130

OP \$40.00 13296436

| | |
|---|-----------------|
| ATTORNEY DOCKET NUMBER: | TWINP066 |
| NAME OF SUBMITTER: | Heather Mueller |
| Total Attachments: 5 source=20111114_TwinP066_assignment#page1.tif source=20111114_TwinP066_assignment#page2.tif source=20111114_TwinP066_assignment#page3.tif source=20111114_TwinP066_assignment#page4.tif source=20111114_TwinP066_assignment#page5.tif | |

ASSIGNMENT

For good and valuable consideration, we, **Theodore Smick**, a U.S. citizen, residing at 31 Lufkin Point Road, Essex, MA 01929, **Geoffrey Ryding**, a U.S. citizen, residing at 30 Masconomo Street, Manchester, MA 01944, **Hilton Glavish**, a U.S. citizen, residing at 803 Tyner Way, Incline Village, NV 89451, **Takao Sakase**, a U.S. citizen, residing at 27 Green Needle Lane, Rowley, MA 01969, **William Park Jr.**, a U.S. citizen, residing at 46 Cameron Ave #2, Somerville, MA 02144, **Paul Eide**, a U.S. citizen, residing at 5 Holmgren Road, Stratham, NH 03885, **Drew Arnold**, a U.S. citizen, residing at 81 Moffatt Road, Salem, MA 01970, **Ronald Horner**, a U.K. citizen, residing at 39 Charles Street, Auburndale, MA 02466, and **Joseph Gillespie**, a U.S. citizen, residing at 25 E Concord Street, Apt. 4, Boston, MA 02118

Hereby sell, assign and transfer to **Twin Creeks Technologies, Inc.**, a corporation of the State of Delaware, having a principal place of business at 3930 North First Street, Suite 10, San Jose, California 95134, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for a United States Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

ION IMPLANT APPARATUS AND A METHOD OF IMPLANTATING IONS

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said 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, substitute, renewal, reissue, and all other patent applications on any and all said 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 improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said 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.

Theodore Smick

Theodore Smick

11/19/2011

Date

Shannon Archibald

Witness

11/14/2011

Date

J. Szymanski

Witness

11/14/11

Date

Geoffrey Ryding

Geoffrey Ryding

11-14-11

Date

Shannon Archibald

Witness

11/14/2011

Date

J. Szymanski

Witness

11/14/11

Date

Hilton Glavish

Date

Witness

Date

Witness

Date

Takao Sakase

Takao Sakase

11/22/11

Date

Samir Aslibabid

Witness

11/22/11

Date

A. Symczyk

Witness

11/22/11

Date

William Park Jr.

William Park Jr.

11/14/11

Date

Samir Aslibabid

Witness

11/14/2011

Date

A. Symczyk

Witness

11/14/11

Date

Paul Eide

Paul Eide

11-14-11

Date

Samir Aslibabid

Witness

11/14/2011

Date

A. Symczyk

Witness

11/14/11

Date

Drew Arnold

Drew Arnold

11/16/11

Date

Sam Antibald

Witness

11/16/11

Date

John Symczyk

Witness

11/16/11

Date

Ronald Horner

Ronald Horner

11/15/11

Date

Sam Antibald

Witness

11/15/11

Date

John Symczyk

Witness

11/15/11

Date

Joseph Gillespie

Joseph Gillespie

11/14/11

Date

Sam Antibald

Witness

11/14/2011

Date

John Symczyk

Witness

11/14/11

Date

Theodore Smick

Date

Witness

Date

Witness

Date

Geoffrey Ryding

Date

Witness

Date

Witness

Date

Hilton Glavish

Hilton Glavish

Nov 14, 2011

Date

John Glavish

Witness

11-14-11

Date

[Signature]

Witness

11-14-11

Date