

PATENT ASSIGNMENT

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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>Jason Shih</td> <td>12/20/2012</td> </tr> <tr> <td>Sean Caffey</td> <td>12/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jason Shih	12/20/2012	Sean Caffey	12/14/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>MiniPumps, LLC</td> </tr> <tr> <td>Street Address:</td> <td>3579 E. Foothill Blvd., #521</td> </tr> <tr> <td>City:</td> <td>Pasadena</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>91107</td> </tr> </table>		Name:	MiniPumps, LLC	Street Address:	3579 E. Foothill Blvd., #521	City:	Pasadena	State/Country:	CALIFORNIA	Postal Code:	91107
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2023736001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202.373.6000 Email: IPDocket@bingham.com Correspondent Name: Bingham McCutchen LLP Address Line 1: 2020 K Street NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20006-1803</p>											
ATTORNEY DOCKET NUMBER:	RPN-027C										
NAME OF SUBMITTER:	Yi-Chia Lin										
<p>Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif</p>											

CH \$40.00 13632722

PATENT APPLICATION
Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, co-inventors:

JASON SHIH
SEAN CAFFEY

Who have created a certain invention for which an application for United States Letters Patent entitled **IMPLANTABLE DRUG PUMPS AND REFILL DEVICES THEREFOR**, was filed at the U.S. Patent and Trademark Office on October 1, 2012 and assigned U.S. Patent Application Serial No. 13/632,722.

Do hereby sell, assign and transfer to **MiniPumps, LLC**, a corporation, having a place of business at 3579 E Foothill Blvd. #521, Pasadena, CA 91107, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **MiniPumps, LLC**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention 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, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or 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 has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF we have hereunto set our signatures on the date indicated below.

Date: 12/20/12

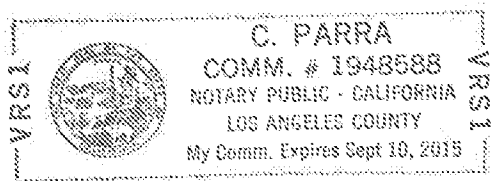


JASON SHIH

United States of America)
State of California)
County of Los Angeles)

On Dec. 20, 2012 before me, C. Parra, Notary Public
personally appeared JASON SHIH who proved to me on the basis of satisfactory evidence to be
the person~~s~~ whose name~~s~~ ~~(is/are)~~ subscribed to the within instrument and acknowledged to me
that ~~(he/she/they)~~ executed the same in ~~(his/her/their)~~ authorized capacity~~(ies)~~, and that by
~~(his/her/their)~~ signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the
person~~s~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

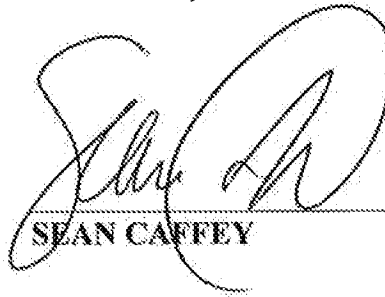


WITNESS my hand and official seal



Notary Public

Date: 14 Dec 2012

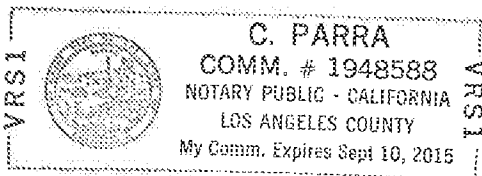

SEAN CAFFEY

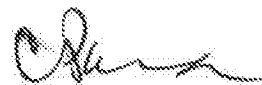
United States of America)
State of California
County of Los Angeles

On Dec. 14, 2012 before me, C. Parra, Notary Public
personally appeared SEAN CAFFEY who proved to me on the basis of satisfactory evidence to
be the person(●) whose name(●)(is) are subscribed to the within instrument and acknowledged to
me that (he) executed the same in (his) authorized capacity(ies), and that by
(his) signature(●) on the instrument the person(●), or the entity upon behalf of which the
person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

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Notary Public