

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5503838

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HERMANUS STEPHANUS PRETORIUS	05/21/2018
ROBERT FARRA	05/19/2018
KENNETH BARNETT	05/18/2018
DAVID PIPER	05/18/2018
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<b>Postal Code:</b>	CH-6048
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16401178
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	36071-0080
<b>NAME OF SUBMITTER:</b>	KEVIN W. KING
<b>SIGNATURE:</b>	/KEVIN W. KING/
<b>DATE SIGNED:</b>	05/02/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</b>	
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**COMBINED ASSIGNMENT AND DECLARATION  
FOR UTILITY PATENT APPLICATION**

We, the undersigned inventors, **Hermanus Stephanus Pretorius**, a citizen of the United States of America, residing at 5 Heather Lane, Derry, New Hampshire 03038, USA; **Robert Farra**, a citizen of the United States of America, residing at 115 Canterbury Hill Road, Acton, Massachusetts 01720, USA; **Kenneth Barnett**, a citizen of the United States of America, residing at 70 Winthrop Street, Waltham, Massachusetts 02453, USA; **David Piper**, a citizen of the United States of America, residing at 45 Rustic Drive, Leominster, Massachusetts 01453, USA; **Russell Ford**, a citizen of the United States of America, residing at 3872 Duncan Place, Palo Alto, California 94306, USA; **Edward G. Solomon**, a citizen of the United States of America, residing at 1110 Orange Avenue, Menlo Park, California 94025, USA; **Peter Holst**, a citizen of Denmark, residing at 251 Pasa Robles Avenue, Los Altos, California 94022, USA; and **Lawrence Smith**, a citizen of the United States of America, residing at 1125 Portland Place, Apt. 1, Boulder, Colorado 80304, USA (hereinafter, "ASSIGNORS"), have invented certain inventions and improvements disclosed in U.S. Provisional Patent Application No. **62/665,825** entitled "**SYSTEMS AND METHODS FOR PROVIDING A BOLUS DOSE IN A MICROFLUIDIC CIRCUIT OF A PUMP**," filed **May 2, 2018**, with the U.S. Patent and Trademark Office;

WHEREAS, we, ASSIGNORS, as joint inventors of the above-identified patent application, hereby declare that:

- (a) the above-identified application was made or authorized to be made by us,
- (b) we believe that we are original inventors of a claimed invention in the application,

and

(c) we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, **Cegur SA**, an organization existing under the laws of Switzerland, having a place of business at Altsagenstrasse 5, CH-6048 Horw, Switzerland (hereinafter, "ASSIGNEE"), is desirous of acquiring an interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, ASSIGNORS, by these presents do sell, assign and transfer unto ASSIGNEE, the full, exclusive and entire right, title, and interest in and to said application, in and to any U.S. non-provisionals, divisionals, continuations, continuations-in-part, and reissues thereof, and in and to all inventions and improvements disclosed and

described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we, ASSIGNORS, hereby request the Commissioner of Patents and Trademarks to issue any said Letters Patents of the United States resulting from said application, or from a division, continuation, or reissue thereof, to ASSIGNEE, as the assignee, for its interest and for the sole use and benefit of ASSIGNEE and its assigns and legal representatives;

For the same consideration, we, ASSIGNORS, by these presents do sell, assign, and transfer to ASSIGNEE the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of ASSIGNEE, or its designee insofar as permitted by applicable law;

AND, for the same consideration, we, ASSIGNORS, agree to sign all lawful papers, execute all non-provisional applications and other applications, make all assignments and rightful oaths, and generally do everything possible to aid ASSIGNEE, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

**INVENTOR 1**

5/21/2018  
Date Hermanus Stephanus Pretorius

STATE OF NEW HAMPSHIRE

COUNTY OF ROCKINGHAM

Before me, a Notary Public in and for the State of New Hampshire, on this 21 day of May, 2018, personally appeared **Hermanus Stephanus Pretorius**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Lori B. Beamon  
NOTARY PUBLIC

My Commission Expires 2/25/20

(SEAL)



**INVENTOR 2**

2018 May 19                      Robert Farra  
Date                                      Robert Farra

STATE OF Massachusetts

COUNTY OF Middlesex

Before me, a Notary Public in and for the State of Massachusetts, on this  
19th day of May, 2018, personally appeared **Robert Farra**, who  
being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

M. J. Park  
NOTARY PUBLIC

My Commission Expires 06/05/2020


(SEAL)



**MIYOUNG PARK**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires June 05, 2020

**INVENTOR 3**

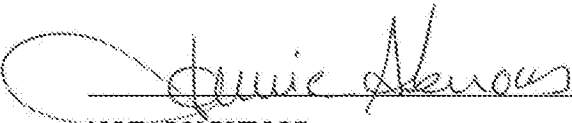
2018-05-18  
Date

  
Kenneth Barnett

STATE OF Massachusetts

COUNTY OF Middlesex

Before me, a Notary Public in and for the State of Massachusetts, on this  
18 day of May, 2018, personally appeared **Kenneth Barnett**, who  
being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

  
NOTARY PUBLIC

My Commission Expires May 14 2021

(SEAL)

**INVENTOR 4**

5/18/18  
Date


David Piper  
David Piper

STATE OF MA

COUNTY OF Middlesex

Before me, a Notary Public in and for the State of Massachusetts, on this  
18<sup>th</sup> day of May, 2018, personally appeared David Piper, who  
being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Patricia Maher  
NOTARY PUBLIC

 PATRICIA MAHER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
November 2, 2023

My Commission Expires Nov 2, 2023

(SEAL)