

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI182059

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>SEQUENCE:</b>	3
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TELEFLEX MEDICAL EUROPE LIMITED	04/19/2018
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	TELEFLEX LIFE SCIENCES UNLIMITED COMPANY
<b>Street Address:</b>	PAR LA VILLE PLACE, 14 PAR-LA-VILLE ROAD
<b>City:</b>	HAMILTON
<b>State/Country:</b>	BERMUDA
<b>Postal Code:</b>	HM 08
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16073326
<b>Application Number:</b>	17951151
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	2027373528
<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>	
<b>Phone:</b>	2026285197
<b>Email:</b>	sharnita@browdyneimark.com
<b>Correspondent Name:</b>	Browdy and Neimark PLLC
<b>Address Line 1:</b>	1625 K Street NW, Suite 550
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20006
<b>ATTORNEY DOCKET NUMBER:</b>	ZACHAR5B and ZACHAR5C
<b>NAME OF SUBMITTER:</b>	Sharnita Davenport
<b>SIGNATURE:</b>	Sharnita Davenport
<b>DATE SIGNED:</b>	04/22/2024
<b>Total Attachments: 7</b>	
source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page1.tif	
source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page2.tif	
source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page3.tif	
source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page4.tif	

source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page5.tif

source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page6.tif

source=2024-04-22 15363782 (3) assignment TMEL to TLSU#page7.tif

**PATENT**

**REEL: 067184 FRAME: 0307**

## CONFIRMATORY INTELLECTUAL PROPERTY DEED OF ASSIGNMENT

**THIS DEED** is made the 19<sup>th</sup> April 2018 (the "**Deed**")

### BETWEEN

- (1) **TELEFLEX MEDICAL EUROPE LIMITED**, a company incorporated in Ireland (no 428329) whose registered office is at IDA Business & Technology Park, Dublin Road, Garrycastle, Athlone, Co Westmeath (the **Assignor**); and
- (2) **TELEFLEX LIFE SCIENCES UNLIMITED COMPANY** an unlimited company incorporated in Ireland (no 509459) and with place of business at Par La Ville Place, 14 Par-la-Ville Road, Hamilton HM 08, Bermuda (the **Assignee**);

each a party and together the parties.

### WHEREAS

- A. The Assignor has assigned the Intellectual Property Rights (as defined below)) to the Assignee on the date of this Deed.
- B. In this context, the parties have agreed to enter into this Confirmatory Intellectual Property Deed of Assignment.

**NOW IT IS HEREBY AGREED** as follows:

1. The definitions and rules of interpretation in this clause apply in this Deed:

**Intellectual Property Rights** means the registered trademarks and patents set out in Schedule 1;

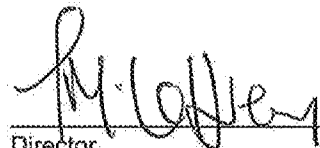
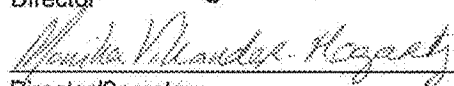
2. In consideration of the sum of €1.00 (one euro) (receipt and sufficiency of which the Assignor expressly acknowledges), the Assignor hereby confirms the assignment to the Assignee all its rights, title and interest including all Intellectual Property Rights.
3. The transfer and assignment confirmed at clause 2 shall include, without limitation: (a) all such right, title and interest, rights of action, powers and benefits arising or accruing from ownership of the Intellectual Property Rights, including without limitation all rights to bring any proceedings and obtain any remedy in respect of any infringement of the Intellectual Property Rights, irrespective of when such infringement occurred or occurs; (b) the absolute entitlement to any registrations granted pursuant to any of the applications comprised in the Intellectual Property Rights which includes the right to sue and collect for past damages; (c) all rights to claim priority (where applicable); (d) all rights to any continuations, continuations in part, divisions, extensions, amendments, conversions, re-issues, re-examinations, renewals or restorations of and/or registrations granted in respect of the Intellectual Property Rights; (e) all statutory and common law rights attaching to the Intellectual Property Rights and the goodwill of the Assignor relating to the Intellectual Property Rights; and (f) all other such right, title and interest as the Assignor has in the Intellectual Property Rights for the full term thereof.
- 4.. If any provision or part-provision of this Deed is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any

modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of this Deed.

5. If any provision or part-provision of this Deed is invalid, illegal or unenforceable, the parties shall negotiate in good faith to amend such provision so that, as amended, it is legal, valid and enforceable, and, to the greatest extent possible, achieves the intended commercial result of the original provision. This Deed and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with the laws of Ireland.
6. No variation of this Deed shall be effective unless it is in writing and signed by the parties (or their authorised representatives).
7. The parties irrevocably agree that the courts of Ireland are to have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Deed and that, accordingly, any legal action or proceedings arising out of or in connection with this Deed may be brought before the Irish courts.
8. This Deed may be executed in any number of counterparts and by the parties to it on separate counterparts, each of which so executed and delivered will be an original, but all counterparts will together constitute one and the same instrument.
9. This Deed shall be binding on, and enure to the benefit of, the parties to this Deed and their respective personal representatives, successors and permitted assigns, and references to any party shall include that party's personal representatives, successors and permitted assigns

**IN WITNESS** whereof this Deed has been duly executed on the date shown at the beginning of this Deed.

GIVEN under the Common Seal of  
**TELEFLEX MEDICAL EUROPE LIMITED**

  
\_\_\_\_\_  
Director  
  
\_\_\_\_\_  
Director/Secretary

GIVEN under the Common Seal of  
**TELEFLEX LIFE SCIENCES UNLIMITED COMPANY**

\_\_\_\_\_  
Director  
\_\_\_\_\_  
Director/Secretary

modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of this Deed.

5. If any provision or part-provision of this Deed is invalid, illegal or unenforceable, the parties shall negotiate in good faith to amend such provision so that, as amended, it is legal, valid and enforceable, and, to the greatest extent possible, achieves the intended commercial result of the original provision. This Deed and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with the laws of Ireland.
6. No variation of this Deed shall be effective unless it is in writing and signed by the parties (or their authorised representatives).
7. The parties irrevocably agree that the courts of Ireland are to have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Deed and that, accordingly, any legal action or proceedings arising out of or in connection with this Deed may be brought before the Irish courts.
8. This Deed may be executed in any number of counterparts and by the parties to it on separate counterparts, each of which so executed and delivered will be an original, but all counterparts will together constitute one and the same instrument.
9. This Deed shall be binding on, and enure to the benefit of, the parties to this Deed and their respective personal representatives, successors and permitted assigns, and references to any party shall include that party's personal representatives, successors and permitted assigns

**IN WITNESS** whereof this Deed has been duly executed on the date shown at the beginning of this Deed.

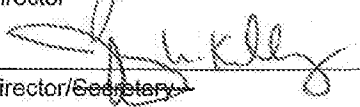
GIVEN under the Common Seal of  
**TELEFLEX MEDICAL EUROPE LIMITED**

\_\_\_\_\_  
Director

\_\_\_\_\_  
Director/Secretary

GIVEN under the Common Seal of  
**TELEFLEX LIFE SCIENCES UNLIMITED COMPANY**

  
\_\_\_\_\_  
Director

  
\_\_\_\_\_  
Director/Secretary

## Schedule 1

## (A) PATENTS

Country	Application #	Patent #	Status	Filing Date	Title
<b>Airway Medix Business</b>					
United Kingdom	1116735.0	2482618	Granted	28-Sep-11	Ballooned ventilation tube cleaning device
Patent Cooperation Treaty	PCT/ IB2012/ 051532	N/A	Expired	29-Mar-12	Ballooned ventilation tube cleaning device
United States	14008558		Pending	29-Mar-12	Ballooned ventilation tube cleaning device
European Patent Convention	12719067.6		Pending	29-Mar-12	Ballooned ventilation tube cleaning device
Australia	2012235744	N/A	Abandoned	29-Mar-12	Ballooned ventilation tube cleaning device
Japan	20140501798	2014527412	Granted	29-Mar-12	Ballooned ventilation tube cleaning device
China	201290000559.9	204208149U	Granted	29-Mar-12	Ballooned ventilation tube cleaning device
Japan	20160003568U	3207138U	Granted	22-Jul-16	Ballooned ventilation tube cleaning device
United Kingdom	1119794.4	N/A	Abandoned	16-Nov-11	Ballooned ventilation tube cleaning device
Poland	20110396436		Pending	26-Sep-11	Balloon device for cleaning the intubation tubes
United States	61/613,408	N/A	Expired	20-Mar-12	Fluids inlet module for multi-lumen catheters
United States	61/609,763	N/A	Expired	12-Mar-12	Spray cleaning of ventilation tube
United States	61/603,344	N/A	Expired	26-Feb-12	Proximal control of distal irrigation in closed suction system catheter
United States	61/603,340	N/A	Expired	26-Feb-12	Fluids inlet module for multi-lumen catheters
United States	61/560,385	N/A	Expired	16-Nov-11	Ballooned ventilation tube cleaning device
United States	61/539,998	N/A	Expired	28-Sep-11	Ballooned ventilation tube cleaning device
United States	61/527,658	N/A	Expired	26-Aug-11	Ballooned ventilation tube cleaning device
United States	61/496,019	N/A	Expired	12-Jun-11	Multi-functional jet-suction catheter
United States	61/483,699	N/A	Expired	8-May-11	Multi-functional suction catheter
United States	61/473,790	N/A	Expired	10-Apr-11	Catheter cleaning
United States	61/468,990	N/A	Expired	29-Mar-11	Catheter cleaning
Patent Cooperation Treaty	PCT/ IL2012/ 000320	N/A	Expired	26-Aug-12	Fluid input module for multi-lumen catheters

United States	13/806,958	8999074	Granted	4-Feb-13	Fluid input module for multi-lumen catheters
United States	14/596,905	N/A	Abandoned	14-Jan-15	Suction catheter with distal suction modulation
United States	14/993,757		Pending	12-Jan-16	Fluid input module for multi-lumen catheters
United States	15/069,150		Pending	14-Mar-16	Mechanical user control of fluid input module
United States	15/377,575	N/A	Abandoned	13-Dec-16	Suction catheter with distal suction modulation
European Patent Convention	12828334.8	2809382	Granted	26-Aug-12	Fluid input module for multi-lumen catheters
Australia	2012828334	N/A	Abandoned	26-Aug-12	Fluid input module for multi-lumen catheters
Australia	2017204274		Pending	23-Jun-17	Fluid input module for multi-lumen catheters
Brazil	20141104602	N/A	Abandoned	26-Aug-12	Fluid input module for multi-lumen catheters
Japan	20140526598	2014525285	Granted	26-Aug-12	Fluid input module for multi-lumen catheters
United States	61/673,744	N/A	Expired	20-Jul-12	Fluids inlet module for multi-lumen catheters
United States	61/660,832	N/A	Expired	18-Jun-12	Fluids inlet module for multi-lumen catheters
United States	61/655,801	N/A	Expired	05-Jun-12	Fluids inlet module for multi-lumen catheters
United States	61/635,360	N/A	Expired	19-Apr-12	Fluids inlet module for multi-lumen catheters
United Kingdom	1600233.9		Pending	06-Jan-16	Closed suction system
United States	15/363,782		Pending	29-Nov-16	Closed suction system
PCT Application	PCT/ IL2016/ 051367	N/A	Pending	22-Dec-16	Closed suction system
United States	62/287223	N/A	Expired	26-Jan-16	Closed suction system
United States	62/319,640	N/A	Expired	07-Apr-16	Closed suction system
United States	62/336,894	N/A	Expired	16-May-16	mechanical user control elements for fluid input module
Patent Cooperation Treaty	PCT/ IL2017/ 050546	N/A	Pending	16-May-17	Dynamic catheter tip occlusion
United States	62/336,753	N/A	Expired	16-May-16	Dynamic catheter tip occlusion
United States	62/376,102	N/A	Expired	17-Aug-16	Dynamic catheter tip occlusion
United States	15/595,250		Pending	15-May-17	Mechanical user control elements for fluid input module
United States	62/528,673		Pending	05-Jul-17	Mechanical user control elements for fluid input module

United States	14/821,828		Pending	10-Aug-15	Catheter for cleaning of tracheal ventilation tubes
United States	62/043,428	N/A	Expired	27-Aug-14	Catheter for cleaning of tracheal ventilation tubes
<b>EZ-Blocker Business</b>					
European Patent Convention	05749553.3	1765186	Granted	13-May-05	Bronchus blocker and artificial respiration system
European Patent Convention	10708408.9	2429375	Granted	12-Mar-10	Bronchoscopic manifold
United States	11/579,676	7,900,634	Granted	13-May-05	Bronchus blocker and artificial respiration system
United States	13/256,296	9,072,432	Granted	12-Mar-10	Bronchoscopic manifold
<b>MEPV Business</b>					
European Patent Convention	12781429.1	2766073	Granted	11-Oct-12	Needle guide and method for determining the position of a needle which is attached movably in a needle guide of this type to an imaging probe
European Patent Convention	12724710.4		Pending	4-May-12	Transducer assembly for an echoscope
United States	13/976,564	8,773,953	Granted	4-May-12	Transducer assembly for an echoscope
United States	14/322,846	9,333,536	Granted	4-May-12	Transducer assembly for an echoscope
United States	13/977,518	9,539,026	Granted	11-Oct-12	Needle guide and method for determining the position of a needle
<b>Other</b>					
European Patent Convention	06118580.7	1886706	Granted	8-Aug-06	Pressure limiting valve, particularly for medical assisted-ventilation equipment

#### (B) TRADEMARKS

Country	Application # Application Date	Registration # Registration Date	Trademark	Status	Class of Goods / Services
<b>Airway Medix Business</b>					
Poland	465439 20-Dec-2016		SWEEP-PAIR	Pending	IC 05, 09, 10
<b>EZ-Blocker Business</b>					
Benelux	1159190 13-May-2008	0844170 7-Aug-2008	EZ-BLOCKER	Registered	IC 10



Benelux	1180159 17-Apr-2009	0862701 10-Aug-2009	EZ-MULTIPORT	Registered	IC 10
<b>MEPY Business</b>					
Benelux	01251818 25-Jul-2012	924465 12-Nov-2012	GUIDED IMAGING (& Design)	Registered	IC 09, 10, 44
Benelux	01251821 25-Jul-2012	924464 12-Nov-2012	ECHO GUIDER (& Design)	Registered	IC 09, 10, 44