

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM778994

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Profound Medical Inc.		11/03/2022	Corporation: CANADA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Canadian Imperial Bank of Commerce		
<b>Street Address:</b>	595 Bay Street		
<b>Internal Address:</b>	5th Floor		
<b>City:</b>	Toronto		
<b>State/Country:</b>	CANADA		
<b>Postal Code:</b>	M5G 2C2		
<b>Entity Type:</b>	Chartered Bank: CANADA		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	5362232	TULSA-PRO	
<b>Registration Number:</b>	5366668	PROFOUND MEDICAL INC.	
<b>Serial Number:</b>	90013370	TULSA PROCEDURE	
<b>Serial Number:</b>	88637147	PROFOUND	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	4168657380		
<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>	14168657697		
<b>Email:</b>	jkkim@torys.com		
<b>Correspondent Name:</b>	Torys LLP		
<b>Address Line 1:</b>	79 Wellington Street West		
<b>Address Line 2:</b>	30th Floor, Box 270, TD South Tower		
<b>Address Line 4:</b>	Toronto, CANADA M5K 1N2		
<b>NAME OF SUBMITTER:</b>	Julie Kim		
<b>SIGNATURE:</b>	/JULIE KIM/		
<b>DATE SIGNED:</b>	01/06/2023		
<b>Total Attachments: 13</b>			

OP \$115.00 5362232

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** (as amended, restated, supplemented or otherwise modified, this "**Agreement**") is entered into as of November 3, 2022 by and between PROFOUND MEDICAL INC., an Ontario corporation ("**Borrower**"), PROFOUND MEDICAL CORP., an Ontario corporation ("**Parent**"), 2753079 Ontario Inc., an Ontario corporation, as a guarantor ("**275 Ontario**"), Profound Medical GmbH, a German limited liability company (*Gesellschaft mit beschränkter Haftung*), as a guarantor ("**PM Germany**") and PROFOUND MEDICAL (U.S.) INC., a Delaware corporation ("**Profound US**", and together with Borrower, Parent, PM Germany and 275 Ontario, collectively, "**Grantors**", and each, a "**Grantor**") and CANADIAN IMPERIAL BANK OF COMMERCE ("**Lender**").

### RECITALS

A. Lender and Grantors are entering into a Pledge and General Security Agreement and a Pledge and Security Agreement (US), in each case, dated as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, collectively, the "**Security Documents**"). Defined terms used herein without definition shall have the meanings set forth in the applicable Security Documents.

B. The Obligations are secured by the Collateral including without limitation, all of each Grantor's Intellectual Property.

C. Each Grantor's execution and delivery of this Agreement is a condition to the effectiveness of the Credit Agreement.

**Now, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, Grantors and Lender hereby agree:

### AGREEMENT

To secure the Obligations, each Grantor grants Lender a security interest in all of each Grantor's right, title and interest in its Intellectual Property. Each Grantor hereby confirms that the attached schedules of such Grantor's copyright, patent and trademark applications and registrations, which are registered or filed with the United States Patent and Trademark Office or the United States Copyright Office, as applicable, attached hereto as Exhibits A, B and C hereto, respectively, are complete and accurate as of the date hereof.

Each Grantor hereby authorizes Lender to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property which such Grantor obtains subsequent to the date of this Agreement, and (b) file a duplicate of this Agreement containing amended exhibits reflecting such new Intellectual Property.

This Agreement shall be exclusively (without regard to any rules or principles relating to conflicts of laws) governed by, enforced and construed in accordance with the laws of the state of New York and the federal laws of the United States applicable therein. This Agreement may be executed in counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

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[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantors:  
Profound Medical Inc.  
2400 Skymark Ave., Unit #6  
Mississauga, Ontario L4W 5K5  
Attention: Chief Financial Officer

with a copy (that does not constitute notice) to:

Torys LLP  
79 Wellington Street West, #300  
Toronto, ON M5K 1N2  
Attention: Amanda Balasubramanian

**GRANTORS:**

**PROFOUND MEDICAL INC.**

By: *Arun Menawat*

Name: Arun Swarup Menawat

Title: Chief Executive Officer

By: *Rashed Dewan*

Name: Rashed Dewan

Title: Secretary

**PROFOUND MEDICAL CORP.**

By: *Arun Menawat*

Name: Arun Swarup Menawat

Title: Chief Executive Officer

By: *Rashed Dewan*

Name: Rashed Dewan

Title: Chief Financial Officer

**PROFOUND MEDICAL (U.S.) INC.**

By: *Arun Menawat*

Name: Arun Swarup Menawat

Title: Chief Executive Officer

By: *Rashed Dewan*

Name: Rashed Dewan

Title: Secretary

[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

**2753079 ONTARIO INC.**

By: *Arun Menawat*

Name: Arun Swarup Menawat

Title: Chief Executive Officer

By: *Rashed Dewan*

Name: Rashed Dewan

Title: Chief Financial Officer

**PROFOUND MEDICAL GMBH**

By: *Arun Menawat*

Name: Arun Swarup Menawat

Title: Chief Executive Officer

By: *Rashed Dewan*

Name: Rashed Dewan

Title: Chief Financial Officer

[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

**LENDER**

Canadian Imperial Bank of Commerce  
Credit Processing Services

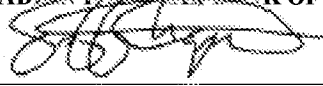
81 Bay Street, 10th Floor  
Toronto, Ontario  
M5J 0E7  
Attn: Jeff Chapman  
Email: [jeff.chapman@cibc.com](mailto:jeff.chapman@cibc.com)

with a copy (that does not constitute notice) to:

Goodmans LLP  
333 Bay Street, Suite 3400  
Toronto, Ontario M5H 2S7  
Facsimile: 416-979-1234

Attention: Michael Bertrand

**CANADIAN IMPERIAL BANK OF COMMERCE**

By: 

Name: Jeff Chapman

Title: Assistant General Manager

By: 

Name: Corey Perlmutter

Title: Assistant General Manager

**EXHIBIT A**  
**COPYRIGHTS**

None.

**EXHIBIT B**

## PATENTS

**Profound Medical Inc.**

Country	App. Serial No.	Title	Filing Date	Pat. No.	Issue Date	Issued	Allowed
US	12/932,914	Fluid Circuits for Temperature Control in a Thermal Therapy System	3/9/2011	9,566,455	2/14/2017	X	
US	15/267,800	Fluid Circuits for Temperature Control in a Thermal Therapy System	9/16/2016	9,770,607	9/26/2017	X	
US	12/932,923	RF Power Controller for Ultrasound Therapy System	3/9/2011	9,931,523	4/3/2018	X	
US	12/932,920	Controllable Rotating Ultrasound Therapy Applicator	3/9/2011	9,707,413	7/18/2017	X	
US	15/621,672	Ultrasonic Therapy Applicator and Method of Determining Position of Ultrasonic Transducers	6/13/2017	11,027,154	6/8/2021	X	
US	17/246,865	Ultrasonic Therapy Applicator and Method of Determining Position of Ultrasonic Transducers	5/3/2021				



US	13/627,029	System and Method for Control and Monitoring of Conformal Thermal Therapy	9/26/2012	8,998,889	4/7/2015	X	
US	14/595,596	System and Method for Control and Monitoring of Conformal Thermal Therapy	1/13/2015	9,205,282	12/8/2015	X	
US	14/450,805	Treatment Planning and Delivery Using Temperature Uncertainty Maps	8/4/2014	9,971,004	5/15/2018	X	
US	14/988,056	Endocavity Temperature Control Device	1/5/2016	10,231,865	3/19/2019	X	
US	15/797,075	Thermal Therapy with Dyanmic Anatomical Boundaries Using MRI-Based Temperature Uncertainty Maps	10/30/2017	11,471,053	10/18/2022	X	
US	15/788,414	Processing System and Dynamic Correction Method for Thermal Therapy	10/19/2017	11,191,444	12/7/2021	X	

US	15/723,850	Multi-Channel Real-Time Phase Modulation for EMI Reduction in an Ultrasound Device	10/3/2017				
US	15/981,383	Apparatus and Method for Directing Energy from a Multi-Element Source	5/16/2018	11,224,768	1/18/2022	X	
US	17/643,518	Apparatus and Method for Directing Energy from a Multi-Element Source	12/9/2021				
US	16/453,499	MRI-Compatible Patient Support System	6/26/2019	11,160,468	11/2/2021	X	
US	16/516,492	Multi-Frequency Ultrasound Therapy System With Data Encoder	7/19/2019				X
US	16/684,880	Gas Bubble Removal for Endorectal Cooling Devices	11/15/2019				
US	16/589,784	Method for Filtering Erroneous Pixels in a Thermal Therapy Control System	10/1/2019	11,442,128	9/13/2022	X	

US	16/984,367	System and Method for Open-Loop Ultrasound Therapy	8/4/2020				
US	16/859,740	Automated Magnetic Resonance Image Segmentation for Ultrasound Thermal Therapy Control	4/27/2020	11,191,980	12/7/2021	X	
US	16/937,960	Configurable Patient Support for Ultrasound Therapy	7/24/2020	11,351,075	6/7/2022	X	
US	09/523,915	HIFU Applications with Feedback Control	3/9/2000	6,508,774	1/21/2003	X	
US	12/296,769	Device for Positioning an Ultrasound Transducer Inside a MR Scanner	3/16/2007	9,526,515	12/27/2016	X	
US	12/812,240	Therapy System with Temperature Control	1/9/2009	9,687,681	6/27/2017	X	
US	13/321,557	MR Imaging Guided Therapy	5/27/2010	8,867,811	10/21/2014	X	
US	13/496,043	High Intensity Focused Ultrasound Positioning Mechanism	9/15/2010	10,357,667	6/23/2019	X	
US	16/102,970	High Intensity Focused Ultrasound Transducer Optimization	8/14/2018				

US	13/515,519	High Intensity Focused Ultrasound Transducer Optimization	12/7/2010	10,058,717	8/28/2018	X	
US	17/820,098	High Intensity Focused Ultrasound Transducer Optimization	8/16/2022				
US	13/519,145	Therapeutic Apparatus	12/21/2010	8,725,232	5/13/2014	X	
US	13/519,186	RF Transmit and/or Receive Antenna for a Hybrid MRI/HIFU System	1/5/2011	9,146,290	9/29/2015	X	
US	13/879,412	Therapeutic Apparatus and Method for Heating a Subject	10/11/2011	10,099,069	10/16/2018	X	
US	14/239,268	Real Time Control of High Intensity Focused Ultrasound Using Magnetic Resonance Imaging	8/27/2012	10,459,043	10/29/2019	X	
US	14/406,550	High Intensity Focused Ultrasound Targeting	6/21/2013	10,046,179	8/14/2018	X	
US	14/412,728	Acoustic Radiation Force Magnetic Resonance Imaging	6/28/2013	10,406,384	9/10/2019	X	

US	14/390,181	High-Intensity Focused Ultrasound for Heating a Target Zone Larger than the Electronic Focusing Zone	4/9/2013	11,116,405	9/14/2021	X	
US	14/431,932	Reduced Heating in Overlapping Near Field Regions of High Intensity Focused Ultrasound	9/25/2013	10,046,180	8/14/2018	X	
US	14/781,598	Energy Deposition Zone Determination for a Catheter with an Ultrasound Array	4/4/2014	10,010,727	7/3/2018	X	
US	14/784,707	Therapy System for Depositing Energy	4/4/2014	10,010,723	7/3/2018	X	
US	14/390181	High-intensity Focused Ultrasound For Heating A Target Zone Larger Than The Electronic Focusing Zone	04/09/2013	11,116,405	9/14/2021	X	
US	13/879412	Therapeutic Apparatus And Method For Heating A Subject	10/11/2011	10,099,069	10/16/2018	X	

**Profound Medical Corp.**

None.

**Profound Medical (U.S.) Inc.**

None.

**2753079 Ontario Inc.**

None.

**Profound Medical GmbH**

None.

**EXHIBIT C**  
**TRADEMARKS**

**Profound Medical Inc.**

Appln No.	Regn No.	Mark	Status
90/013370	n/a	TULSA PROCEDURE	Pending
88/637147	n/a	<b>PROFOUND</b>	Pending
86/414,439	5,362,232	TULSA-PRO	Registered
79/083,599	4,061,938	SONALLEVE	Registered
77/697,692	5,366,668	<b>PROFOUND</b> <small>Medical inc.</small>	Registered

**Profound Medical Corp.**

None.

**Profound Medical (U.S.) Inc.**

None.

**2753079 Ontario Inc.**

None.

**Profound Medical GmbH**

None.