# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RYAN K ROEDER	03/12/2020
ROBERT BALL	03/12/2020
DOUGLAS SNELL	03/12/2020

#### **RECEIVING PARTY DATA**

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City:	GRAND RAPIDS
State/Country:	MICHIGAN
Postal Code:	49503

#### **PROPERTY NUMBERS Total: 3**

Property Type	Number
Application Number:	62812111
Application Number:	16817470
PCT Number:	US2022468

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	43171-0001
NAME OF SUBMITTER:	CAITLIN SOUTHARD
SIGNATURE:	/Caitlin Southard/
DATE SIGNED:	03/13/2020

**Total Attachments: 6** 

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## ASSIGNMENT OF PATENT RIGHTS

This Assignment of Patent Rights (the "Assignment") is made by and between Ryan K. Roeder, an individual having rights as an Inventor (the "Assignor"), and HAPPE Spine LLC (the "Assignee"), a corporation with address 220 Lyon Street, NW, Suite 500, Grand Rapids, MI, 49503.

WHEREAS, I, the Assignor/Inventor, have ownership rights in U.S. Patent Application No. 62/812,111 filed March 12, 2019 entitled VARIABLE DENSITY IMPLANTS; and U.S. Patent Application No. 16/817,470 , and PCT Application No. PCT/US20/22468 , both filed March 12, 2020 and entitled IMPLANTABLE MEDICAL DEVICE WITH THERMOPLASTIC COMPOSITE BODY AND METHOD FOR FORMING THERMOPLASTIC COMPOSITE BODY.

WHEREAS the Assignee is desirous of acquiring and securing the entire right, title and interest in and to this invention, the application for United States Letters Patent on this invention, and the United States Letters Patent to be issued upon this application.

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, the full and exclusive right to the invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid applications) and the entire right, title and interest in and to any and all Letters Patents which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with the Assignee, its successors and assigns, any facts known to me respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in the Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I HEREBY authorize and request the attorneys I have empowered in the Power of Attorney associated with this application to insert above the filing date and application number of the application when known, if not known at the time of the execution hereof.

I HEREBY state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above. I also acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations §1.56.

C0111756:1 -1-

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

County of St. Toseph  State of Indiana	Ryan K. Roeder Assignor/Inventor	
*	By: <u>Z</u> - KR - Date: <u>3/12/2020</u>	
Subscribed and Sworn to me this	day of	, 20
Notary Public	<del></del>	
Acknowledged by:		
Happe Spine LLC.		
By:		
Title:		
Date:		
Subscribed and Sworn to me this	day of	, 20
Notary Public		

#### **ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Robert Ball**, an individual having rights as an Inventor (the "Assignor"), and **HAPPE Spine LLC** (the "Assignee"), a corporation with address 220 Lyon Street, NW, Suite 500, Grand Rapids, MI, 49503.

WHEREAS, I, the Assignor/Inventor, have ownership rights in U.S. Patent Application No. 62/812,111 filed March 12, 2019 entitled VARIABLE DENSITY IMPLANTS; and U.S. Patent Application No. 16/817,470 \_\_\_\_\_, and PCT Application No. PCT/US20/22468, both filed March 12, 2020 and entitled IMPLANTABLE MEDICAL DEVICE WITH THERMOPLASTIC COMPOSITE BODY AND METHOD FOR FORMING THERMOPLASTIC COMPOSITE BODY.

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County of WS3707AVA	Robert Ball	
State of <u>MI</u>	) By: 2 = 5 Date: 03/12/	<u>2020</u>
Subscribed and Sworn to me this	day of	
Notary Public		
Acknowledged by:		
Happe Spine LLC.		
By:		
Tide:		
Date:		
Subscribed and Sworn to me this	day of	, 20
Notary Public		
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### **ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Douglas Snell**, an individual having rights as an Inventor (the "Assignor"), and **HAPPE Spine LLC** (the "Assignee"), a corporation with address 220 Lyon Street, NW, Suite 500, Grand Rapids, MI, 49503.

WHEREAS, I, the Assignor/Inventor, have ownership rights in U.S. Patent Application No. 62/812,111 filed March 12, 2019 entitled VARIABLE DENSITY IMPLANTS; and U.S. Patent Application No. 16/817,470 \_\_\_\_\_, and PCT Application No. PCT/US20/22468 , both filed March 12, 2020 and entitled IMPLANTABLE MEDICAL DEVICE WITH THERMOPLASTIC COMPOSITE BODY AND METHOD FOR FORMING THERMOPLASTIC COMPOSITE BODY.

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County of Johnson	Douglas Snell
State of KANSAS )	
	By: 3/12/2020
Subscribed and Sworn to me this	_day of, 20
Notary Public	
Acknowledged by:	
Happe Spine LLC.	
By:	
Title:	
Date:	×.
Subscribed and Sworn to me this	_day of, 20
Notary Public	<del></del>

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