# 505177515 11/06/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5224283

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ					
		Name		Execution Date		
CHARLES SANSUR			10/24/2018			
STEVEN C. LUDWIG				08/15/2018		
RECEIVING PARTY DA	TA					
Name:	UNIVER	UNIVERSITY OF MARYLAND, BALTIMORE				
Street Address:	620 W. L	EXINGTON STREET, 4TH FI	OOR			
Internal Address:	C/O OFF	C/O OFFICE OF RESEARCH AND DEVELOPMENT				
City:	BALTIM	ORE				
State/Country:	MARYLA	AND				
Postal Code:	21201					
Application Number: 160		047473				
Property TypeApplication Number:16		Number 16047473				
		200)721-8250				
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PATENT REEL: 047423 FRAME: 0733 UMB Docket No: CS-2016-080 (US)

# ASSIGNMENT

In consideration of UMB's agreement to consider Assignors as a "UMB Inventors" who are entitled to revenue distributions under the University System of Maryland Policy on Intellectual Property, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Charles Sansur and Steven C. Ludwig ("Assignor") hereby convey, assign, and transfer to the University of Maryland, Baltimore, a public university that is part of the University System of Maryland (which is a public corporation and an instrumentality of the State of Maryland) ("UMB"), and having an office c/o Office of Research and Development, 620 W. Lexington Street, 4<sup>th</sup> floor, Baltimore, MD 21201, their entire right, title, and interest in and to the invention known as "Interbody Cage With Spill-Free Biological Material Compartment" (the "Invention"):

check applicable space(s) [X\_] for the United States of America (as defined in 35 U.S.C. §100)

 $[X_]$  and throughout the world,

for which application for patent was filed in the United States of America on July 27, 2018 (also known as U.S. Non-Provisional application serial number 16/047,473), and in any and all non-provisional and/or international or foreign patent applications thereon, continuing patent applications thereon (including without limitation substitutions, divisionals, continuations, and continuations-in-part), patents or Letters Patent issued therefrom, and reissues, extensions, renewals, and reexaminations of such applications or patents.

Such entire right, title, and interest in the Invention are to be held and enjoyed by UMB to the same extent as they would have been held and enjoyed by Assignors had this Assignment not been made, to the full end of the term or terms for which any such patent issue. Assignors hereby represent and warrant that they have full right to convey their right, title, and interest in the Invention herein assigned, and that they have not executed and will not execute any agreement or other document in conflict therewith.

Assignors agree to execute and deliver separate Assignments, patent applications, and other documents necessary or expedient in connection with, and to cooperate with and to assist UMB in connection with: further perfecting the assignment of the Invention to UMB; UMB's preparation, filing, prosecution (including without limitation defense in interference proceedings, reexaminations, or litigation), enforcement, and/or maintenance of the patents and patent applications; or for UMB to protect and commercialize its intellectual property right, title, and interests in the Invention (including without limitation copyright and/or trademarks).

ASSIGNOR:

IN WITNESS WHEREOF, executed by Assignors on the date opposite his name.

10/24/18.	and the second se
Date State State State	(SEAL)
	Address:
	613 St. Francis Rd.
	Towson, MD 21286
STATE OF $\underline{MD}$ CITY / COUNTY OF $\underline{AA}$ ) of $\underline{MD}$ (LEREBY CERTIFY, that on this $\underline{J4}$ day of $\underline{MD}$ whose name is subscribed to the within instrument, and acknown same as for the purposes contained therein.	2018, before me, Notary Public of the State s Sansur, known to me (or satisfactorily proven) to be the person towledged that, being authorized to do so, he or she executed the
IN WITNESS WHEREOF, I have hereunto set my h	and and official seal the day and year last above-mentioned.
My Commission Expires: 1/19/2020	Notary Public [SEAL]
{00074590-2}	

PATENT REEL: 047423 FRAME: 0734

UMB Docket No: CS-2016-080 (US)			
		ASSIGNOR:	
Date		Sterring C. Last data	(SEAL)
Dure		Steven C. Ludwig	
	١	Address: 6413 Pratt Avenue	
		Baltimore, MD 21212	
STATE OF	)		
I HEREBY CERTIFY, that on this, personally ap person whose name is subscribed to the with	day of	, 20, before	me, Notary Public of the St
person whose name is subscribed to the with	in instrument	, and acknowledged that, being a	uthorized to do so, he or s
executed the same as for the purposes contained			
IN WITNESS WHEREOF, I have here	unto set my h	and and official seal the day and ye	ar last above-mentioned.
		Notary Public	[SEA
My Commission Evnicor		Notary Fuelic	
My Commission Expires:	······		
	1		

### UMB Docket No: CS-2016-080 (US)

## ASSIGNMENT

In consideration of UMB's agreement to consider Assignors as a "UMB Inventors" who are entitled to revenue distributions under the University System of Maryland Policy on Intellectual Property, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Charles Sansur and Steven C. Ludwig ("Assignor") hereby convey, assign, and transfer to the University of Maryland, Baltimore, a public university that is part of the University System of Maryland (which is a public corporation and an instrumentality of the State of Maryland) ("UMB"), and having an office c/o Office of Research and Development, 620 W. Lexington Street, 4<sup>th</sup> floor, Baltimore, MD 21201, their entire right, title, and interest in and to the invention known as "Interbody Cage With Spill-Free Biological Material Compartment" (the "Invention"):

check applicable space(s) [X] for the United States of America (as defined in 35 U.S.C. §100)

[X] and throughout the world,

for which application for patent was filed in the United States of America on July 27, 2018 (also known as U.S. Non-Provisional application serial number 16/047,473), and in any and all non-provisional and/or international or foreign patent applications thereon, continuing patent applications thereon (including without limitation substitutions, divisionals, continuations, and continuations-in-part), patents or Letters Patent issued therefrom, and reissues, extensions, renewals, and reexaminations of such applications or patents.

Such entire right, title, and interest in the Invention are to be held and enjoyed by UMB to the same extent as they would have been held and enjoyed by Assignors had this Assignment not been made, to the full end of the term or terms for which any such patent issue. Assignors hereby represent and warrant that they have full right to convey their right, title, and interest in the Invention herein assigned, and that they have not executed and will not execute any agreement or other document in conflict therewith.

Assignors agree to execute and deliver separate Assignments, patent applications, and other documents necessary or expedient in connection with, and to cooperate with and to assist UMB in connection with: further perfecting the assignment of the Invention to UMB; UMB's preparation, filing, prosecution (including without limitation defense in interference proceedings, reexaminations, or litigation), enforcement, and/or maintenance of the patents and patent applications; or for UMB to protect and commercialize its intellectual property right, title, and interests in the Invention (including without limitation copyright and/or trademarks).

IN WITNESS WHEREOF, executed by Assignors on the date opposite his name.

### **ASSIGNOR:**

		(SEAL)
Date		Charles Sansur
		Address:
		613 St. Francis Rd.
		Towson, MD 21286
STATE OF	)	
CITY / COUNTY OF	).	
I HEREBY CERTIFY, that on this of, personally appear whose name is subscribed to the within instrument same as for the purposes contained therein.	day of ed Charle , and ackr	, 20, , before me, Notary Public of the State es Sansur, known to me (or satisfactorily proven) to be the person nowledged that, being authorized to do so, he or she executed the
IN WITNESS WHEREOF, I have hereunte	o set my h	and and official seal the day and year last above-mentioned.
		[SEAL]
		Notary Public
My Commission Expires:		
		Δ.
(00074590-2)		

PATENT REEL: 047423 FRAME: 0736

UMB Docket No: CS-2016-080 (US) ASSIGNOR 2018 (SEAL) Date Steven C. Ludwig Address. 6410 Pratt Avenue Baltimore, MD 2121 STATE OF CITY / COUNTY OF of A HEREBY CERTIFY, that on this 152 day of 2018, before me, Notary Public of the State of 2018, before me, Notary Public of the State of 2018, personally appeared Steven C. Ludwig, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that, being authorized to do so, he or she executed the same as for the purposes contained therein. IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above-mentioned. Notáry Public  $\langle \rangle \rangle$ VAN COM [SEAL] <u>ine 5,202</u>2 My Commission Expires; {00074590-2}

## **RECORDED: 11/06/2018**

and and a