504072785 10/28/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4119452

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
THOMAS BODEN JR.	10/12/2016	
ALAN J. DEXTRADEUR	10/19/2016	

RECEIVING PARTY DATA

Name:	DEPUY SYNTHES PRODUCTS, LLC		
Street Address:	325 PARAMOUNT DRIVE		
City:	RAYNHAM		
State/Country:	MASSACHUSETTS		
Postal Code:	02767		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15337827	

CORRESPONDENCE DATA

Fax Number: (856)414-1058

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.

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ATTORNEY DOCKET NUMBER:	DSP5186USNP		
NAME OF SUBMITTER:	CHERYL F. COHEN		
SIGNATURE:	/Cheryl F. Cohen/		
DATE SIGNED:	10/28/2016		
	This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 2

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PATENT 504072785 REEL: 040162 FRAME: 0372

COHEN & HILDEBRAND, PLLC

	Attorney Docket No. DSP5186USNP
	ECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT
Title of Invention	IMPROVED IMPLANTABLE VALVE ASSEMBLY WITH EXTENDED LIFESPAN
•	ventor, I hereby declare that: ixed to: X The above-identified application, or ☐ United States application
The observation	
1	application was made or authorized to be made by me.
•	e original inventor or an original joint inventor of a claimed invention in the application.
imprisonment of not mo	ge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or one than five (5) years, or both.
amended by any amen	have reviewed and understand the contents of the above-identified application, including the claims, as dment specifically referred to above,
continuation-in-part app	uty to disclose information which is material to patentability as defined in 37 CFR 1.56, including further plications, material information which became available between the filing date of the prior application international filing date of the continuation-in-part application
inventor has sold and whose address is 325 successors, legal reprethe United States, filed sole, disclosed in said may be filed for United	ble consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned assigned, and by these presents hereby sells and assigns, unto: DePuy Synthes Products, LLC , Paramount Drive, Raynham MA 02767 , a Delaware corporation (hereinafter named "Assignee"), its esentatives and assigns, the entire right, title and interest in and to said invention for Letters Patent of as said application and to the entire right, title and interest in any and all inventions, whether joint or application for Letters Patent, and in any and all divisional or continuation or renewal applications that States Letters Patent for any and all of said inventions, and in and to any and all patents that may be g applications and any reissue or extension thereof.
I hereby authorize a	nd request the Commissioner of Patents to issue any and all of said Letters Patent to said Assignee.
to execute any and all necessary oaths, supplication for the reiss	on, I hereby agree upon the request of said Assignee, its successors, legal representatives or assigns, I United States divisional, continuation and renewal applications for said invention, and any and all plemental oaths or declarations or supplemental declarations or affidavits relating thereto, and any sue or extension of any United States Letters Patent that may be granted upon said application that said representatives or assigns may deem necessary or expedient.
assigns, in the event of for the reissue thereo successors, legal represent producing eviden necessary to obtain sa	leration, I further agree upon the request of said Assignee, its successors, legal representatives or f said application or any division thereof, or Letters Patent issued thereon or any reissue or application f, becoming involved in interference, to cooperate to the best of my ability with said Assignee, its esentatives or assigns in the matters of preparing and executing the Preliminary Statement and giving ce in support thereof, I hereby agree to perform upon such request, any and all affirmative acts aid Letters Patent and vest all rights therein hereby conveyed in said Assignee, its successors, legal gns as fully and entirely as the same would have been held and enjoyed if this assignment and sale had
consideration, any and	elf, my heirs, legal representatives, administrators, and assign properly to execute without further all applications, petitions, oaths, assignments or other papers and instruments which may be necessary I force and effect the sale, assignment and transfer hereby made, or intended or agreed to be made.
right, title and interest Assignee, its success- executed in connection to execute any and a successors, legal repre	
LEGAL NAME OF INV	
Inventor: Thomas Bod	en Jr Date: <u>Oct 12, 20/6</u>
Signature:	
Note: An application data	a sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany onal PTO/SB/AIA01 form for each additional inventor.

PATENT REEL: 040162 FRAME: 0373

COHEN & HILDEBRAND, PLLC

		**************************************		ney Docket No. DSF	
	ECLARATION (37 C APPLICATION DATA	•			I USING AN
Title of Invention	IMPROVED IMPLANT				
As the below named inv	entor, I hereby declare th	at:			<u></u>
This declaration is direc	ted to: X The above-ide	entified application, o			
	☐ United States	application	, fil	led on	or
	☐ PCT application	on number	, fil	led on	***************************************
The above-identified	application was made or	authorized to be mad	e by me.		
I believe that I am the	e original inventor or an o	riginal joint inventor o	f a claimed invention	in the application.	
	e that any willful false sta re than five (5) years, or b		leclaration is punisha	able under 18 U.S.C	. 1001 by fine or
	nave reviewed and under Iment specifically referred		the above-identified	application, includir	ng the claims, as
continuation-in-part app	ity to disclose information lications, material information international filing date o	ation which became	available between th		
inventor has sold and a whose address is 325 is successors, legal repres the United States, filed sole, disclosed in said a may be filed for United	ole consideration, the recassigned, and by these paramount Drive, Raynle sentatives and assigns, the said application and the said application for Letters Pates States Letters Patent for papplications and any releasing applications and applications and any releasing applications and applications applications and applications applications and applications applications and applications and applications applications applications and applications application	presents hereby sells ham MA 02767, a Department of the entire right, title at the entire right, title ent, and in any and any and any and any and any and any and in feath in the ent, and any any and any	a and assigns, unto: elaware corporation nd interest in and to a and interest in any all divisional or continuentions, and in and	DePuy Synthes (hereinafter named said invention for L and all inventions, nuation or renewal	Products, LLC, I "Assignee"), its Letters Patent of whether joint or applications that
I hereby authorize an	d request the Commissio	ner of Patents to issu	e any and all of said	Letters Patent to sa	iid Assignee.
to execute any and all necessary oaths, suppl application for the reissu	n, I hereby agree upon to United States divisional iemental oaths or declaruse se or extension of any Un se legal representatives or	, continuation and re rations or supplemer ited States Letters Pr	enewal applications to tal declarations or atent that may be gra	for said invention, a affidavits relating the inted upon said app	and any and all hereto, and any
assigns, in the event of for the reissue thereof, successors, legal repre- and producing evidence necessary to obtain sai	eration, I further agree used application or any description or any description or any description in less than the sentatives or assigns in the in support thereof, I less than the description of the sentand vesus as fully and entirely as	ivision thereof, or Le nterference, to coop he matters of prepar hereby agree to per at all rights therein h	iters Patent issued the erate to the best of ing and executing the form upon such received in s	nereon or any reisst my ability with sa e Preliminary State quest, any and all laid Assignee, its si	ue or application id Assignee, its ment and giving affirmative acts uccessors, legal
consideration, any and a	If, my heirs, legal repre all applications, petitions, force and effect the sale,	oaths, assignments c	or other papers and in	nstruments which ma	ay be necessary
right, title and interest in Assignee, its successor executed in connection to execute any and all successors, legal repres		vement for any and a or assigns to execu ons for foreign Letter	all foreign countries a te any and all docu s Patent therefor, inc	and agree upon the ments that shall be cluding the prosecut	request of said required to be tion thereof, and
LEGAL NAME OF INVE	ENTOR		11	3	
Inventor: <u>Alan J. Dextract</u> Signature: <u>Olan </u>	Dettadein	Date: 🔘	<u>ctaber 19, 2</u>	<u> </u>	
	sheet (PTO/AIA/14 or equival PTO/SB/AIA01 form for			e entity, must accom	pany

RECORDED: 10/28/2016

PATENT REEL: 040162 FRAME: 0374