# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4555136

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PAUL FREDERIK GRUNDEMAN	04/01/2017
JOLANDA KLUIN	04/13/2017
KARLIEN KRISTEL BOON-CEELEN	03/28/2017
THOMAS KONIG	03/28/2017

## **RECEIVING PARTY DATA**

Name:	DSM IP ASSETS B.V.
Street Address:	HET OVERLOON 1
City:	HEERLEN
State/Country:	NETHERLANDS
Postal Code:	6411 TE

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15309030

## **CORRESPONDENCE DATA**

Fax Number: (703)816-4100

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.

Phone: 7038164000

Email: PTOMail@nixonvan.com **Correspondent Name:** BRYAN H. DAVIDSON Address Line 1: NIXON & VANDERHYE P.C.

Address Line 2: 901 NORTH GLEBE ROAD, 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER: BHD-4662-3307		
NAME OF SUBMITTER: BRYAN H. DAVIDSON		
SIGNATURE:	/Bryan H. Davidson/	
<b>DATE SIGNED:</b> 08/17/2017		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 4** 

**PATENT** REEL: 043321 FRAME: 0459 source=08-17-2017\_Combined\_Dec\_and\_Assign#page1.tif
source=08-17-2017\_Combined\_Dec\_and\_Assign#page2.tif
source=08-17-2017\_Combined\_Dec\_and\_Assign#page3.tif
source=08-17-2017\_Combined\_Dec\_and\_Assign#page4.tif

PATENT REEL: 043321 FRAME: 0460

Doc code: Geth Document Description: Oath or declaration filed

BHD-4662-3307 Attorney Docket Number GRUNDEMAN, Paul Frederik First Named Inventor

		DESIGN PATENT APPLICATION (37 CFR 1.63)
Declaration Submitted With Initial Filing	PPLICATION DATA SHE	actor were stroy
OR  Declaration Submitted After Initial Filing (s	urcharge (37 C.F.R. § 1.16	G(f)) required)
METHOD OF MAKING A PROS	THETIC VALVE AND VAL	VE OBTAINED THEREWITH
<u> </u>	(Title of the Invention)	
As a below named inventor, I hereby declare to	that:	
This declaration is directed to:  the attached application, or  United States Application Number 15/309, PCT International application number flee	030 filed November 4, 201 d on	8, or
The above-identified application was made or auth-	orized to be made by me.	
I believe I am the original inventor or an original join		ion in the application.
I hereby acknowledge that any willful false stateme by fine or imprisonment of not more than five (5) ye		punishable under 16 U.S.C. 1001
WHEREAS, the undersigned (hereinefter ASSIGN)	OR), has made an invention in	the Application identified above
WHEREAS, DSM IP Assets B.V. (hereinafter ASSI Netherlands, 6411 TE, is desirous of acquiring an i		office and place of business at Het Overloon 1, Heerlen.
of which are hersby acknowledged, the said ASSIC ASSIGNEE, its successors, assigns, and legal reproduced and all foreign countries, in and to the investigation applications based thereon including a sil resulting patents, together with the right of priorion American Convention Relating to Patents, Designs States of America adheres, and the ASSIGNOR he said Letters Patent to ASSIGNEE, for its interest as agreed that ASSIGNEE'S attorneys Nixon & Vanda ASSIGNEE with respect to this invention;	SNOR by these presents here esentatives, ASSIGNOR'S en ention as described in the afor my and all continuations, divisi ty under the international Con and Industrial Models, and ar reby authorizes and requests ASSIGNEE, its successors, whye P.C. have represented of	itire right, title and interest in the United States of easid application, and to the said application and to all ions, reissues, and substitutes of said application, and vention for the Protection of Industrial Property, Inter- ny other international agreements to which the United the Commissioner of Patents and Trademarks to issue assigns, and legal representatives. It is understood and mly ASSIGNEE and will continue to represent only
ASSIGNOR hereby agrees to transfer a like interes representatives, and without further remuneration, of or related to the said invention;		NEE, its successors, assigns, and legal and applications for patents based thereon, growing out
ASSIGNOR hereby agrees to execute any papers I to ASSIGNEE'S full protection and title in and to the		, assigns, and legal representatives, deemed essential; ; and
ASSIGNOR hereby agrees, upon request of ASSIC ASSIGNEE, for the filing and granting of foreign ap		runeration, to execute any and all papers desired by If title thereto in ASSIGNEE.
AGREED and executed as noted below:		
LEGAL NAME OF INVENTOR/JOINT INVENTOR (E.g., Given Name (first and middle (if any)) and Fa		
Paul	Frederik	GRÚNDEMAN S
Inventor's Signature.		Date April 1, 2017
		4/1/2017

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

**PATENT** REEL: 043321 FRAME: 0461

Doc	code:	Oath
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Document Description: Oath or declaration filed

Attorney Docket Number BHD-4662-3307

First Named Inventor

GRUNDEMAN, Paul Frederik

	INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)			
	☐ Declaration Submitted With Initial Filing			
	OR  Declaration Submitted After Initial Filling (course and (97.0 F.D. \$4.40(5)) as without)			
	Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)			
	METHOD OF MAKING A PROSTHETIC VALVE AND VALVE OBTAINED THEREWITH			
	(Title of the Invention)			
	As a below named inventor, I hereby declare that:			
	This declaration is directed to:			
	the attached application, or			
	☐ United States Application Number 15/309,030 filed November 4, 2016, or ☐ PCT International application number filed on			
	The above-identified application was made or authorized to be made by me.			
	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.			
	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
	WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above.			
	WHEREAS, DSM IP Assets B.V. (hereinafter ASSIGNEE), an entity, having an office and place of business at Het Overloon 1, Heerlen, Netherlands, 6411 TE, is desirous of acquiring an interest therein;			
	NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and			
1	agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only			

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

#### AGREED and executed as noted below:

ASSIGNEE with respect to this invention;

AGREED and executed as noted below.					
LEGAL NAME OF INVENTOR/JOINT INVENTOR:					
(E.g., Given Name (first and middle (if shy)) and F	amily Name or Sumame)				
Jolanda // // //			KL!	UIN	
Inventor's Signature:	No.	Date:	MAZI	174%	O &
And the second s	minum framewood of the second	***************************************	MING	/ L.S	40 Juli

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number BHD-4662-3307

First Named Inventor GRUNDEMAN, Paul Frederik

1 #01.146	Frederik		
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)			
Declaration Submitted With Initial Filing			
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) rec	quired)		
METHOD OF MAKING A PROSTHETIC VALVE AND VALVE OB	TAINED THEREWITH		
(Titos of the Invention)	***************************************		
As a below named inventor, I hereby declare that:			
This declaration is directed to:			
the attached application, or			
☐ United States Application Number 15/309,030 filed November 4, 2016, or ☐ PCT International application number filed on			
The above-identified application was made or authorized to be made by me.			
I believe I am the original inventor or an original joint inventor of a claimed invention in the	e application.		
l hereby acknowledge that any willful false statement made in this declaration is punishal by fine or imprisonment of not more than জিও (5) years, or both.	ble under 18 U.S.C. 1001		
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the App	olication identified above.		
WHEREAS, DSM IP Assets B.V. (hereinafter ASSIGNEE), an entity, having an office and Netherlands, 6411 TE, is desirous of acquiring an interest therein;	d place of business at Het Overloon 1, Heerlen,		
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and lags: representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to Issue safe Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;			
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;			
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed ********************************			
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.			
AGREED and executed as noted below:			
Legal Name of Additional Joint inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)  Karlien  Kristel	BOON-CEELEN		
Inventor's	Dete:		
Signature: UUVX	28:3-2017		

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Doc code: Oath

**RECORDED: 08/17/2017** 

Document Description: Oath or declaration filed

Attorney Docket Number BHD-4662-3307 First Named Inventor GRUNDEMAN, Paul

	Frederik		
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OF USING AN APPLICATION DATA SHE Declaration Submitted With Initial Filing			
OR  Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.1)	6(f)) required)		
METHOD OF MAKING A PROSTHETIC VALVE AND VAL	VE OBTAINED THEREWITH		
(Title of the invention)			
As a below named inventor, I hereby declare that:			
This declaration is directed to:  ☐ the attached application, or  ☑ United States Application Number 15/309,030 filed November 4, 20 ☐ PCT International application number filed on	16, or		
The above-identified application was made or authorized to be made by me			
I believe I am the original inventor or an original joint inventor of a claimed inver	tion in the application.		
I hereby acknowledge that any willful false statement made in this declaration is by fine or imprisonment of not more than five (5) years, or both.	punishable under 18 U.S.C. 1001		
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in	n the Application identified above.		
WHEREAS, DSM IP Assets B.V. (hereinafter ASSIGNEE), an entity, having an office and place of business at Het Overloon 1, Heerlen, Netherlands, 6411 TE, is desirous of acquiring an interest therein;			
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vandertye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;			
ASSIGNOR hereby agrees to wasses a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or resisted to the said invention;			
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby rensferred; and			
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers @@@@@d by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.			
AGREED and executed as noted below:			
Legal Name of Additional Joint Invantor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Sumame)  Thomas  KONG			
Inventor's	Date		
Signature:	78-3-2017		

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

**PATENT** 

REEL: 043321 FRAME: 0464