#### 506739454 06/28/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6786272

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BRAD ALAN DICKINSON	12/03/2019
HARM VAN DER WERFF	12/16/2019
RAUL MARCELINO PEREZ GRATEROL	12/03/2019
PETRUS HENRICUS MARIA ELEMANS	12/02/2019
LEONARDUS GERARDUS BERNARDUS BREMER	12/13/2019
FRANCOIS ANTOINE MARIA OP DEN BUIJSCH	12/10/2019
ROELOF MARISSEN	12/06/2019

#### 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:	16500199

### **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-4662-3866
NAME OF SUBMITTER:	BRYAN H. DAVIDSON
SIGNATURE:	/Bryan H. Davidson/
DATE SIGNED:	06/28/2021

PAIENI REEL: 056693 FRAME: 0065 506739454

Total Attachments: 7
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PATENT REEL: 056693 FRAME: 0066

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	Attomey Docket Number	BHD-4662-3866
	First Named Inventor	DICKINSON Bred Alen

	First Named Inventor DICKINSON, Brad Alan				
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILIT USING AN APPLICATION DATA	Y OR DESIGN PATENT APPLICATION (37 CFR 1.63)				
Declaration Submitted With Initial Filing OR					
☐ Declaration Submitted After Initial Filing (surcharge (37 C.F.R.	§ 1.16(f)) required)				
HIGH PERFORMANCE FIBERS	COMPOSITE SHEET				
(Title of the Inven	tion)				
As a below named inventor, I hereby declare that:					
This declaration is directed to:  ☐ the attached application, or  ☐ United States Application Number 16/500,199 filed October 2, 2  ☐ PCT International application number filed on	2019, or				
The above-identified application was made or authorized to be made by m	e.				
I believe I am the original inventor or an original joint inventor of a claimed					
I hereby acknowledge that any willful false statement made in this declarate by fine or imprisonment of not more than five (5) years, or both.					
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inver	ntion in the Application identified above.				
WHEREAS, DSM IP Assets B.V. (hereinafter ASSIGNEE), an entity, havin Netherlands, 6411 TE, is desirous of acquiring an interest therein;					
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and/or other g which are hereby acknowledged, the said ASSIGNOR by these presents h its successors, assigns, and legal representatives, ASSIGNOR'S entire rigit foreign countries, in and to the invention as described in the aforesaid applications based thereon including any and all continuations, divisions, repatents, together with the right of priority under the International Convention Convention Relating to Patents, Designs and Industrial Models, and any ot America adheres, and the ASSIGNOR hereby authorizes and requests the Letters Patent to ASSIGNEE; for its interest as ASSIGNEE, its successors, agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represent ASSIGNEE with respect to this invention;	ereby sells, assigns, and transfers unto the said ASSIGNEE, ht, title and interest in the United States of America and all ication, and to the said application and to all subsequent eissues, and substitutes of said application, and all resulting in for the Protection of Industrial Property, Inter-American their international agreements to which the United States of Commissioner of Patents and Trademarks to issue said assigns, and legal representatives. It is understood and				
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 of ASSIGNEE'S full protection and title in and to the invention hereby transferred; and					
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without furthe ASSIGNEE, for the filing and granting of foreign applications and the perfec	er remuneration, to execute any and all papers desired by sting of title thereto in ASSIGNEE.				
AGREED and executed as noted below:					
LEGAL NAME OF INVENTOR/JOINT INVENTOR:	00000000000000000000000000000000000000				
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)					
Brad Alan	DICKINSON				
Inventor's Signature:	Date: / - /				

22.00	code:	Carrie.	
ಬಲಜ	COUR:	ູບສະຫ	

Inventor's Signature:

Document Description: Oath or declaration filed Attorney Docket Number BHD-4662-3866 First Named Inventor DICKINSON, Brad Alan 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 Filing (surcharge (37 C.F.R. § 1.16(f)) required) HIGH PERFORMANCE FIBERS COMPOSITE SHEET (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 16/500, 199 filed October 2, 2019, 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 One Dollar (\$1.00) 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 & 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 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: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Harm VAN DER WERFF

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

Date:

Doc code: Oath Document Description:	Oath or declaration filed
	Oath or declaration filed

Attorney Docket Number RHI

	Altomey Docket Number	BHD-4662-3866
X	First Named Inventor	DICKINSON, Brad Alan
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY	OR DESIGN PATENT A	PPLICATION (37 CFR 1.63)
USING AN APPLICATION DATA	SHEET (37 CFR 1.76)	•
☐ Declaration Submitted With Initial Filing OR		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. §	1 16/f)\ required)	
HIGH PERFORMANCE FIBERS	COMPOSITE SHEET	
(Title of the Invention	on)	
As a below named inventor, I hereby declare that:		
This declaration is directed to:		
the attached application, or		
United States Application Number 16/500,199 filed October 2, 20	019, 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 in		
I hereby acknowledge that any willful false statement made in this declaration		0.4004
by fine or imprisonment of not more than five (5) years, or both.	in is punishable under 18 U.S	S.C. 1001
	and the same and t	
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inventi		
WHEREAS, DSM IP Assets B.V. (hereinafter ASSIGNEE), an entity, having Netherlands, 6411 TE, is desirous of acquiring an interest therein;	an office and place of busine	ss at Het Overloon 1, Heerlen,
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and/or other god which are hereby acknowledged, the said ASSIGNOR by these presents her its successors, assigns, and legal representatives, ASSIGNOR'S entire right foreign countries, in and to the invention as described in the aforesaid applic applications based thereon including any and all continuations, divisions, reist patents, together with the right of priority under the International Convention Convention Relating to Patents, Designs and Industrial Models, and any other America adheres, and the ASSIGNOR hereby authorizes and requests the Countries Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, a agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represent ASSIGNEE with respect to this invention;	reby sells, assigns, and trans, title and interest in the Unite ation, and to the said applica ssues, and substitutes of said for the Protection of Industria re international agreements and Commissioner of Patents and assigns, and legal representa	fers unto the said ASSIGNEE, and States of America and all tion and to all subsequent application, and all resulting all Property, Inter-American owhich the United States of Trademarks to issue said tives. It is understood and
ASSIGNOR hereby agrees to transfer a like interest upon request of said AS representatives, and without further remuneration, in and to any improvement of or related to the said invention;	SIGNEE, its successors, ass its, and applications for pater	igns, and legal tts based thereon, growing out
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its success to ASSIGNEE'S full protection and title in and to the invention hereby transfe	sors, assigns, and legal repre rred; and	esentatives, deemed essential
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further ASSIGNEE, for the filing and granting of foreign applications and the perfecti	remuneration, to execute an	y and all papers desired by EE.
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)		
Raul Marcelino Inventor's Signature / / /	PEREZ GRATEROL	
miverior a digitatoret	Date:	25 a 6.85

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

13,12.2019

Doc code: Oath

OR

Document Description: Oath or declaration filed

Attorney Docket Number BHD-4662-3866 First Named Inventor DICKINSON, Brad Alan 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 After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)

As a below named inventor, I hereby declare that:

**Declaration Submitted With Initial Filing** 

This declaration is directed to: the attached application, or

United States Application Number 16/500,199 filed October 2, 2019, 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;

HIGH PERFORMANCE FIBERS COMPOSITE SHEET (Title of the Invention)

NOW, THEREFORE, in consideration of One Dollar (\$1.00) 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 & 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 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:

Legal Name of Addition	nal Joint Inventor, if any:		
(E.g., Given Name (first	and middle (if any)) and Family Name or Sur	name)	
Petrus	// / Henricus Mena	ELEMANS	
Inventor's Signature:		Date:	
***************************************	I. (UNAU)	December 2. 2011	9

Doc code: Oath

OR M

Document Description: Oath or declaration filed

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### 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)				
Leonardus Gerardus Bernardus	BREME	R		
Inventor's Signature:	Date:	13	December	2019

Doc code: Oath

Document Description: Oath or declaration filed Attorney Docket Number BHD-4662-3866 First Named Inventor DICKINSON, Brad Alan 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 Filing (surcharge (37 C.F.R. § 1.16(f)) required) HIGH PERFORMANCE FIBERS COMPOSITE SHEET (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 16/500,199 filed October 2, 2019, 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 One Dollar (\$1.00) 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 & 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 ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential

of or related to the said invention;

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## AGREED and executed as noted below:

Legal Name of Addition	al Joint Inventor, if any:	
(E.g., Given Name (first a	nd middle (if any)) and Family Name or Sun	name)
Francois Inventor's Signature:	Antoine Marie	OP DEN BUIJSCH
	1949	Date: 10 december 2019

Doc code: Oath Document Description:	Oath or declaration filed

Attorney Docket Number	BHD-4662-3866
First Named Inventor	DICKINSON Brad Alan

i	Attorney Docker Mulliper	BHD-4662-3866
	First Named Inventor	DICKINGON D
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY	OR DESIGN PATENT A	PLICATION (37 CFR 1 63
VUITO AN AFFLICATION DATAS	SHEET (37 CFR 1.76)	
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NOW, THEREFORE, in consideration of One Dollar (\$1.00) and/or other good which are hereby acknowledged, the said ASSIGNOR by these presents here its successors, assigns, and legal representatives, ASSIGNOR'S entire right, foreign countries, in and to the invention as described in the aforesaid applications based thereon including any and all continuations, divisions, reiss patents, together with the right of priority under the International Convention of Convention Relating to Patents, Designs and Industrial Models, and any other America adheres, and the ASSIGNOR hereby authorizes and requests the CoLetters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, as agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented ASSIGNEE with respect to this invention;	py sells, assigns, and transititie and interest in the Uniter title and interest in the Uniter title, and to the said applications, sues, and substitutes of said or the Protection of Industrial international agreements to ommissioner of Patents and Tasigns, and legal representations of only ASSIGNEE and will come	ers unto the said ASSIGNEE, at States of America and all ion and to all subsequent application, and all resulting Property, Inter-American which the United States of Frademarks to issue said ves. It is understood and ontinue to represent only
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AGREED and executed as noted below:	3	<b>-</b> ,
egal Name of Additional Joint Inventor, if any	Account to the second of the s	on the second se
E.g., Given Name (first and middle (if arry)) and Family Name of Surname)		
Roelof	MARISSEN	
nventor's Signature:	Date	ev 2019
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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: 056693 FRAME: 0073** 

**RECORDED: 06/28/2021**