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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/338,085	10/28/2016	Joseph Arnold Paul Maria SIMMELINK	BHD-4662-3302

CONFIRMATION NO. 9789

23117
NIXON & VANDERHYE, PC
901 NORTH GLEBE ROAD, 11TH FLOOR
ARLINGTON, VA 22203

PUBLICATION NOTICE

Title:COLORED SUTURE

Publication No.US-2017-0044692-A1
Publication Date:02/16/2017

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	Atty. Ref.: **BHD-4662-3302**
SIMMELINK et al.	Confirmation No. **9789**
Appl. No. **15/338,085**	Art Unit: **3731**
Filed: **10/28/2016**	Examiner: **HOUSTON, Elizabeth**
For: **COLORED SUTURE**	

* * * * * * * * * * *

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

April 28, 2017

SUBMISSION OF DECLARATION

Sir:

Applicants submit herewith a Declaration with the request that it be made of record and placed in the file of the above-referenced application.

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140.

Respectfully submitted,
NIXON & VANDERHYE P.C.

By: /Bryan H. Davidson/
Bryan H. Davidson
Reg. No. 30,251

BHD:dlb
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

25940-US

Doc code: Oath
Document Description: Oath or declaration filed

Attorney Docket Number	BHD-4662-3302

INVENTOR'S DECLARATION 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)

COLORED SUTURE

(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 15/338,085 filed October 28, 2016

☐ 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.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petition/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: Patent Application Files. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: Deposit Accounts and Electronic Funds Transfer Profiles.

LEGAL NAME OF INVENTOR/JOINT INVENTOR:		
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)		
Joseph	Arnold Paul Maria	SIMMELINK
Inventor's Signature:		Date: 9-3-2017

"Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56."

Doc code: Oath
Document Description: Oath or declaration filed

Attorney Docket Number	BHD-4662-3302

INVENTOR'S DECLARATION 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)

COLORED SUTURE

(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 15/338,085 filed October 28, 2016

☐ 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.

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LEGAL NAME OF INVENTOR/JOINT INVENTOR:		
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)		
Claudia	C.	VAZ
Inventor's Signature:		Date: 2017.03.22

"Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56."

Electronic Acknowledgement Receipt

EFS ID:	29065003
Application Number:	15338085
International Application Number:	
Confirmation Number:	9789
Title of Invention:	COLORED SUTURE
First Named Inventor/Applicant Name:	Joseph Arnold Paul Maria SIMMELINK
Customer Number:	23117
Filer:	Bryan H. Davidson/Dawn Barbour
Filer Authorized By:	Bryan H. Davidson
Attorney Docket Number:	BHD-4662-3302
Receipt Date:	28-APR-2017
Filing Date:	28-OCT-2016
Time Stamp:	15:33:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	04-28-2017_Submission_of_Inventors_Declaration.pdf	15674 9670ce43dc255dcd10d595471769f086c041a2e5	no	1
Warnings:					

Information:					
2	Oath or Declaration filed	04-28-2017_Inventors_Declaration.pdf	574921 2c619f3d0cf51439c5c5eb3b5ce87df58ff859c3	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	590595	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/338,085	10/28/2016	Joseph Arnold Paul Maria SIMMELINK	BHD-4662-3302	9789

23117 7590 10/05/2018

NIXON & VANDERHYE, PC
901 NORTH GLEBE ROAD, 11TH FLOOR
ARLINGTON, VA 22203

EXAMINER	
DANG, PHONG SON H	

ART UNIT	PAPER NUMBER
3771	

NOTIFICATION DATE	DELIVERY MODE
10/05/2018	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTOMAIL@nixonvan.com
pair_nixon@firsttofile.com

PTOL-90A (Rev. 04/07)

Office Action Summary	Application No. 15/338,085	Applicant(s) SIMMELINK et al.	
	Examiner PHONG SON DANG	Art Unit 3731	AIA Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 10/28/2016.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-9 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-9 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Priority

2. This application is a CON of 12/599,869 filed on 01/14/2010, which is now Patent 9,506,168, application 12/599,869 is a 371 of PCT-EP2008/004135 filed 05/23/2008 is hereby acknowledged.

Double Patenting

3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory

double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

4. Claims 1-9 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-12 of U.S. Patent No. 9,506,168. Although the claims at issue are not identical, they are not patentably distinct from each other because the narrower claims of the patent read on the broader claims of the current application.

5. There is no prior art rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHONG SON DANG whose telephone number is (571)270-5809. The examiner can normally be reached on Mon-Fri 8-5.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric Rosen can be reached on 571-270-7855. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHONG SON H DANG/
Primary Examiner, Art Unit 3731

Notice of References Cited	Application/Control No. 15/338,085	Applicant(s)/Patent Under Reexamination SIMMELINK et al.	
	Examiner PHONG SON DANG	Art Unit 3731	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20080004702-A1	01-2008	Denoziere; Guilhem	A61F2/4405	623/17.13
*	B	US-20030050667-A1	03-2003	Grafton, R. Donald	A61B17/06166	606/228
*	C	US-20080287990-A1	11-2008	Smit; Leo	D07B1/025	606/228
*	D	US-20090048628-A1	02-2009	Marissen; Roelof	A61B17/06166	606/231
*	E	US-5370911-A	12-1994	Throne; James L.	B05B7/1404	427/185
*	F	US-4008303-A	02-1977	Glick; Arthur	A61L17/12	264/103
*	G	US-5651377-A	07-1997	O'Donnell, Jr.; Francis E.	A61B17/06166	128/898
*	H	US-6060007-A	05-2000	Hutton; Jeffrey D.	D01F1/04	264/103
*	I	US-20080124368-A1	05-2008	Sarangapani; Shantha	A01N25/10	424/405
*	J	US-20060045899-A1	03-2006	Sarangapani; Shantha	A01N25/10	424/405
*	K	US-20050208096-A1	09-2005	Shalaby, Shalaby W.	A61L2/081	424/423
*	L	US-3698853-A	10-1972	Barrie Alexander Wilson	A61L17/08	606/229
*	M	US-3166073-A	01-1965	LEONARD KRONENTHAL RICHARD	A61L17/08	264/202

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

HONEYWELL Ex. 1002, Page 49 of 112
HONEYWELL INTERNATIONAL INC. v. DSM IP ASSETS B.V.
IPR2024-00493

Notice of References Cited	Application/Control No. 15/338,085	Applicant(s)/Patent Under Reexamination SIMMELINK et al.	
	Examiner PHONG SON DANG	Art Unit 3731	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20060263432-A1	11-2006	Yano; Tetsuya	A61K9/5094	424/489
*	B	US-3565652-A	02-1971	Name not available	D01F2/14	106/166.82
*	C	US-3057040-A	10-1962	ANTHONY CUCULO JOHN	D01F6/60	428/401
*	D	US-20060084745-A1	04-2006	Kuhn; Arvid	C08L83/04	524/492
*	E	US-20090012251-A1	01-2009	Dirks; Christiaan H.P.	D01F6/04	526/352
*	F	US-20040267313-A1	12-2004	Amery, Drew	A61B17/06166	606/228
*	G	US-20050197417-A1	09-2005	Sitzmann, Eugene V.	C03C25/1045	522/64
*	H	US-20080027534-A1	01-2008	Edwin; Tarun J.	A61L27/16	623/1.44
*	I	US-20080009903-A1	01-2008	Schmieding; John W.	C08L71/00	606/228
*	J	US-20080021501-A1	01-2008	Schmieding; John W.	A61L17/10	606/228
*	K	US-20070135840-A1	06-2007	Schmieding; John W.	A61L17/10	606/228
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

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	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

HONEYWELL Ex. 1002, Page 50 of 112
HONEYWELL INTERNATIONAL INC. v. DSM IP ASSETS B.V.
IPR2024-00493

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/338,085	SIMMELINK et al.
	Examiner	Art Unit
	PHONG SON DANG	3731

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61L17/04	10/01/2018	SD
D01F1/04	10/01/2018	SD
D01F6/04	10/01/2018	SD
D07B1/025	10/01/2018	SD
A61L17/04	10/01/2018	SD
C08L23/06	10/01/2018	SD
D07B2205/2014	10/01/2018	SD
D07B2801/10	10/01/2018	SD

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
East Search	10/01/2018	SD
Inventor search	10/01/2018	SD
IDS	10/01/2018	SD
CPC searched with text	10/01/2018	SD

HONEYWELL Ex. 1002, Page 51 of 112
HONEYWELL INTERNATIONAL INC. v. DSM IP ASSETS B.V.
IPR2024-00493

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/338,085	SIMMELINK et al.
	Examiner	Art Unit
	PHONG SON DANG	3731

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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Sheet 1 of 1

INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO. **BHD-4662-3302**

APPLICATION NO. **Continuation of 12/599,869**

INVENTOR(S) **SIMMELINK et al**

(Use several sheets if necessary)

FILING DATE **October 28, 2016**

ART UNIT **TBA**

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,613,987	03/1997	Kuroki et al			
		2003/0050667	03/2003	Grafton et al			
		2008/0287990	11/2008	Smit			
		6,060,007	05/2000	Hutton et al			
		5,651,377	07/1997	O'Donnell, Jr.			
		2004/0267313	12/2004	Amery et al			
		2006/0263432	11/2006	Yano et al			
		2007/0154707	07/2007	Simmelink et al			
		2008/0004702	01/2008	Denoziere			
		2008/0124368	05/2008	Sarangapani			
		2009/0012251	01/2009	Dirks et al			
		2009/0048628	02/2009	Marissen			
		3,057,040	10/1962	Anthony			
		3,166,073	01/1965	Leonard			
		3,565,652	02/1971	Burnet			
		3,698,853	10/1972	Wilson			
		4,008,303	02/1977	Glick et al			
		5,373,911	12/1994	Throne et al			
		2005/0208096	09/2005	Shalaby			
		2006/0045899	03/2006	Sarangapani			
		2006/0084745	04/2006	Kuhn et al			
		2008/0027534	01/2008	Edwin			

FOREIGN PATENT DOCUMENTS

		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		1 306 471	05/2003	EP				
		879 069	10/1961	GB				
		2004/053212	06/2004	WIPO				
		2005/066401	07/2005	WIPO				
		1 746 187	01/2007	EP				
		1 847 276	10/2007	EP				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

		International Search Report for PCT/EP2008/004135, mailed October 2, 2008.
		THERMOPLAST® BLUE 684, BASF Corourants for Plastics (Oct. 1998).

*Examiner	/PHONG SON H DANG/	Date Considered	09/29/2018

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (Also PTO/SB/08A)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.H.D/

Bibliographic Data

Application No: 15/338,085

Foreign Priority claimed: (●) Yes ( ) No

35 USC 119 (a-d) conditions met: [✓] Yes [ ] No [ ] Met After Allowance

Verified and Acknowledged: /PHONG SON H DANG/ (Examiner's Signature) [ ] (Initials)

Title: COLORED SUTURE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/28/2016	606	3731	BHD-4662-3302
RULE			

APPLICANTS

DSM IP ASSETS B.V., Heerlen, NETHERLANDS

INVENTORS

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Claudia C. VAZ Maastricht, NETHERLANDS

CONTINUING DATA

This application is a CON of 12599869 01/14/2010 PAT 9506168

12599869 is a 371 of PCT/EP2008/004135 05/23/2008

FOREIGN APPLICATIONS

EPO 07010217.3 05/23/2007

IF REQUIRED, FOREIGN LICENSE GRANTED**

11/08/2016

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$1,740

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"20030050667" "20080287990"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 08:34
L2	13	(("5,613,987") or ("6,060,007") or ("5,651,377") or ("3,057,040") or ("3,166,073") or ("3,565,652") or ("3,698,853") or ("4,008,303") or ("5,373,911")).PN.	USPAT; USOCR	OR	OFF	2018/10/01 08:34
L3	16	"20040267313" "20060263432" "20070154707" "20080004702" "20080124368" "20090012251" "20090048628" "20050208096" "20060045899" "20060084745" "20080027534"	US-PGPUB; USPAT	OR	OFF	2018/10/01 08:34
L4	28	L1 L2 L3	US-PGPUB; USPAT	OR	OFF	2018/10/01 08:34
L5	26	(US-20080004702-$ or US-20030050667-$ or US-20080287990-$ or US-20090048628-$ or US-20070154707-$ or US-20080124368-$ or US-20060045899-$ or US-20050208096-$ or US-20060263432-$ or US-20060084745-$ or US-20090012251-$ or US-20040267313-$ or US-20050197417-$ or US-20080027534-$ or US-20080009903-$ or US-20080021501-$ or US-20070135840-$).did. or (US-5370911-$ or US-4008303-$ or US-5651377-$ or US-6060007-$).did. or (US-3698853-$ or US-3166073-$ or US-3565652-$ or US-3057040-$).did. or (WO-2005066401-$).did.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2018/10/01 08:34
L6	12	L4 not L5	US-PGPUB; USPAT	OR	OFF	2018/10/01 08:34
L7	3	6 and (chromium near10 oxide)	US-PGPUB; USPAT	OR	OFF	2018/10/01 09:00
L8	244	A61L17/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L9	418	D01F1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L10	945	D01F6/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L11	344	D07B1/025.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08

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L12	244	A61L17/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L13	7024	C08L23/06.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L14	252	D07B2205/2014.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L15	252	D07B2205/2014.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L16	726	D07B2801/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L17	9212	L8 L9 L10 L11 L12 L13 L14 L15 L16	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
L18	8	L17 and suture and (chromium near10 oxide) and ((ultra-high near3 polyethylene) or UHMwPE)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/10/01 09:08
S1	1	12/599869	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:50
S2	2	("20030050667" | "5613987").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:52
S3	824	606/228.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:52
S4	644	suture and ((ultra-high near3 polyethylene) or UHMwPE)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:55
S5	202	suture same ((ultra-high near3 polyethylene) or UHMwPE)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:55
S6	5	suture same ((ultra-high near3 polyethylene) or UHMwPE) same multi-filament	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:56
S7	12	suture same ((ultra-high near3 polyethylene) or UHMwPE) and dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:57
S8	1	suture same ((ultra-high near3 polyethylene) or UHMwPE) same dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:57
S9	12	suture same ((ultra-high near3 polyethylene) or UHMwPE) and dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:58
S10	12	suture same ((ultra-high near3 polyethylene) or UHMwPE) and dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 11:59
S11	1	suture same ((ultra-high near3 polyethylene) or UHMwPE) same dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 12:00
S12	32	Simmelink.inv.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 13:26

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S13	14	Simmelink.inv. and suture	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 13:26
S14	65	S3 and suture and ((ultra-high near3 polyethylene) or UHMwPE)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/02 13:27
S15	33	UHMwPE and spinning and solvent and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 14:08
S16	26	(suture or filament) and UHMwPE and spinning and solvent and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 14:08
S17	2	(suture or filament) and UHMwPE same spinning same solvent same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 14:08
S18	10	(suture or filament) and UHMwPE and spinning with solvent and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 14:11
S19	404	spinning same solvent same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:00
S20	1	suture same spinning same solvent same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:01
S21	343	UHMwPE and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:19
S22	49	(suture or filament) and UHMwPE and solvent and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:19
S23	2	(suture or filament) and UHMwPE same solvent same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:21
S24	3	(suture or filament) same UHMwPE same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:22
S25	2	suture same UHMwPE same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:26
S26	2	suture and UHMwPE same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:27
S27	25	suture and UHMwPE and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:27
S28	74	suture and UHMwPE and pigment	US-PGPUB; USPAT; USOCR	OR	ON	2013/05/22 15:27
S29	9	suture and multi-filament and UHMwPE and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:28
S30	6	(US-20080004702-$ or US-20030050667-$ or US-20080287990-$ or US-20090048628-$ or US-20070154707-$).did. or (US-5370911-$).did.	US-PGPUB; USPAT	OR	ON	2013/05/22 15:34
S31	1	S30 and pigment	US-PGPUB;	OR	ON	2013/05/22

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			USPAT; USOCR			15:35
S32	2	suture same UHMwPE same pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:35
S33	117	suture with pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:36
S34	1	suture and multi-filament with pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:36
S35	9	multi-filament and UHMwPE and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:37
S36	2	multi-filament same UHMwPE and pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:37
S37	2	multi-filament and suture with pigment	US-PGPUB; USPAT; USOCR	OR	OFF	2013/05/22 15:43
S38	966	606/228.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2014/06/02 14:49
S39	9	(US-20080004702-$ or US-20030050667-$ or US-20080287990-$ or US-20090048628-$ or US-20070154707-$).did. or (US-5370911-$ or US-4008303-$ or US-5651377-$ or US-6060007-$).did.	US-PGPUB; USPAT	OR	ON	2014/07/09 13:15
S40	4	S39 and gel	US-PGPUB; USPAT; USOCR	OR	ON	2014/07/09 13:15
S41	1	"05076531.2"	US-PGPUB; USPAT; USOCR	OR	ON	2014/07/09 13:17
S42	1	"05076531.2"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2014/07/09 13:17
S43	1	"05076531.2"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/09 13:17
S44	4	S39 and intrinsic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/09 13:19
S45	3835	suture and pigment and (weight or wt)	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 16:47
S46	576	suture and pigment same (weight or wt)	US-PGPUB; USPAT;	OR	ON	2014/08/12 16:47

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			USOCR			
S47	84	suture same pigment same (weight or wt)	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 16:47
S48	2	"11069705"	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 16:53
S49	415801	suture same pigment same inorganic pigment	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:08
S50	24	suture same pigment same inorganic	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:09
S51	17	suture same pigment with inorganic	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:13
S52	1	suture same pigment with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:31
S53	4	suture same pigment same chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:32
S54	4	suture same pigment same chromium same oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:33
S55	46	suture same chromium same oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:33
S56	31	suture same chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:33
S57	6	suture with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:33
S58	16242	pigment same chromium same oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:35
S59	13398	pigment with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:36
S60	1	suture same pigment with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:36
S61	59	suture and pigment with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:36
S62	31	filament same pigment with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:46
S63	3	filament with pigment with chromium with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 17:48
S64	6	aluminum-chromium-cobalt	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:08
S65	4	aluminum-chromium-cobalt with oxide	US-PGPUB; USPAT;	OR	ON	2014/08/12 18:08

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			USOCR			
S66	9584	aluminum with chromium with cobalt with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:13
S67	83	(suture or filament) same aluminum with chromium with cobalt with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:13
S68	15	(suture or filament) with aluminum with chromium with cobalt with oxide	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:14
S69	253	UHMWPE and intrinsic and viscosity and dl/g	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:30
S70	132	UHMWPE same intrinsic same viscosity same dl/g	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:30
S71	132	UHMWPE same intrinsic with viscosity same dl/g	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:30
S72	88	UHMWPE same intrinsic with viscosity with dl/g	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:30
S73	70	UHMWPE with intrinsic with viscosity with dl/g	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:30
S74	24	suture and (UHMWPE with intrinsic with viscosity with dl/g)	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:30
S75	1	suture same (UHMWPE with intrinsic with viscosity with dl/g)	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:31
S76	29	multifilament and (UHMWPE with intrinsic with viscosity with dl/g)	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/12 18:34
S77	4	2004/0267313	US-PGPUB; USPAT; USOCR	OR	OFF	2014/08/14 14:45
S78	1	"20040267313"	US-PGPUB; USPAT; USOCR	OR	OFF	2014/08/14 14:46
S79	1	"5,665,062".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/14 15:09
S80	183	A61L17/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:45
S81	339	D01F1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:45
S82	777	D01F6/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:45
S83	250	D07B1/025.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:45
S84	183	A61L17/04.cpc.	US-PGPUB; USPAT;	OR	OFF	2015/03/23 12:46

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			USOCR			
S85	5436	C08L23/06.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:46
S86	163	D07B2205/2014.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:46
S87	163	D07B2205/2014.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:46
S88	539	D07B2801/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:46
S89	7175	S80 S81 S82 S83 S84 S85 S86 S87 S88	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:46
S90	114	S89 and suture and ((ultra-high near3 polyethylene) or UHMwPE)	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:47
S91	15	S89 and suture same ((ultra-high near3 polyethylene) or UHMwPE) and dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2015/03/23 12:47
S92	20	(US-20080004702-$ or US-20030050667-$ or US-20080287990-$ or US-20090048628-$ or US-20070154707-$ or US-20080124368-$ or US-20060045899-$ or US-20050208096-$ or US-20060263432-$ or US-20060084745-$ or US-20090012251-$ or US-20040267313-$).did. or (US-5370911-$ or US-4008303-$ or US-5651377-$ or US-6060007-$).did. or (US-3698853-$ or US-3166073-$ or US-3565652-$ or US-3057040-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2015/03/23 13:08
S93	8	S92 and mass	US-PGPUB; USPAT; USOCR	OR	ON	2015/03/23 13:08
S94	187	A61L17/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S95	344	D01F1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S96	778	D01F6/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S97	259	D07B1/025.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S98	187	A61L17/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S99	5612	C08L23/06.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S100	172	D07B2205/2014.cpc.	US-PGPUB; USPAT;	OR	OFF	2015/09/09 13:50

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			USOCR			
S101	172	D07B2205/2014.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S102	556	D07B2801/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S103	7381	S94 S95 S96 S97 S98 S99 S100 S101 S102	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S104	17	S103 and suture same ((ultra-high near3 polyethylene) or UHMwPE) and dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 13:50
S105	3	S103 and suture same dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 15:00
S106	62	("2212772" | "2226529" | "3091015" | "3124632" | "3156750" | "3303169" | "3311691" | "3345445" | "3361859" | "3379810" | "3436450" | "3441642" | "3562382" | "3577500" | "3739055" | "3792010" | "4009511" | "4043344" | "4047533" | "4338277" | "4374797" | "4446299" | "4461740" | "4470941" | "4504432" | "4504545" | "4542063" | "4550730" | "4578451" | "4621021" | "4624816" | "4701377" | "4758472" | "4839132" | "4859389" | "5007922" | "5102419" | "5102420" | "5147382" | "5156788" | "5217485" | "5225485" | "5279783").PN. OR ("5349044").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/09 15:00
S107	0	S106 and suture same dl/g	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/09 15:01
S108	85	(gel adj spun) with (suture or filament)	US-PGPUB; USPAT; USOCR	OR	OFF	2015/09/10 13:12
S109	26	suture and (UHMWPE with intrinsic with viscosity with dl/g)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 13:15
S110	343	suture and (intrinsic with viscosity with dl/g)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 13:20
S111	317	S110 not S109	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 13:20
S112	464	(suture or filament) same (intrinsic with viscosity with dl/g)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 13:22
S113	3	wo-2005066401-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/09/10 13:47
S114	1913	polyethylene same (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:02

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S115	2	polyethylene same (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:02
S116	0	(suture or filament) same (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:02
S117	14	(suture or filament) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:02
S118	11	(pigment or color) and (suture or filament) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:03
S119	1	(pigment or coloring) and (suture or filament) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:03
S120	51	(pigment or coloring) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/10 15:04
S121	2191	(suture or filament) and (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:21
S122	14	(suture or filament) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:21
S123	52	(suture or filament or fiber or yarn) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:21
S124	23	(suture or filament) with (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:23
S125	82	(pigment or color) and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:25
S126	25908	(pigment or color) and (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:27
S127	12145	(pigment or color) with (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:27
S128	4870	(suture or filament or fiber or yarn) and (pigment or color) with (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:28
S129	359	(suture or filament or fiber or yarn) same (pigment or color) with (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:28
S130	158	(suture or filament or fiber or yarn) with (pigment or color) with (chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:28
S131	229	(aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:32
S132	0	suture and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:32
S133	0	yarn and (aluminum adj chromium adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2015/09/11 12:32

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