PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2582419

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE INVENTOR, PIERRE SAVI EXECUTION DATE previously recorded on Reel 029559 Frame 0942. Assignor (s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
PHILIPPE DUCHAUSSOY	11/22/2012
JEAN PASCAL HERAULT	11/22/2012
JEAN MARC HERBERT	11/23/2012
MAURICE PETITOU	12/18/2012
PIERRE SAVI	12/07/2012

RECEIVING PARTY DATA

Name:	SANOFI
Street Address:	54 RUE DE LA BOETIE
City:	PARIS
State/Country:	FRANCE
Postal Code:	75008

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13611753

CORRESPONDENCE DATA

(516)742-4366 Fax Number: Phone: 5167424343 Email: dknoell@ssmp.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: SCULLY, SCOTT, MURPHY & PRESSER, P.C.

Address Line 1: 400 GARDEN CITY PLAZA

SUITE 300 Address Line 2:

Address Line 4: GARDEN CITY, NEW YORK 11530

ATTORNEY DOCKET NUMBER: 26476ZYX

PATENT

REEL: 031435 FRAME: 0550 502537033

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NAME OF SUBMITTER:	PETER I. BERNSTEIN	
Signature:	/Peter I. Bernstein/	
Date:	10/18/2013	
Total Attachments: 17		
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PATENT REEL: 031435 FRAME: 0551

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT			
NATURE OF CONVEYANCE	E:	ASSIGNMENT		
CONVEYING PARTY DATA				
Name		Execution Date		
Philippe Duchaussoy			11/22/2012	
Jean Pascal Herault			11/22/2012	
Jean Marc Herbert			11/23/2012	
Maurice Petitou			12/18/2012	
Pierre Savi			12/12/2012	
RECEIVING PARTY I	DATA SANOFI		1	
Street Address:	54 rue de la Boetie			
City:				
State/Country:	Paris			
Postal Code:	75008			
PROPERIT NUMBER	RS Total: 1			
PROPERTY NUMBER		turn talang talang talang	Number	
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	pe	9611753	Number	
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Property Typ Application Number: CORRESPONDENCE	5167424366 516-742-434	3611753	Number	
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Property Type Application Number: CORRESPONDENCE Fax Number: Phone: Email: Correspondence will be sent Correspondent Name:	5167424366 516-742-434 dknoell@ssn t to the e-mall addre Scully, Scott,	3 np.com <i>ss first; if that is unsuccessful, it will be s</i> Murphy & Presser, P.C.		
Property Type Application Number: CORRESPONDENCE Fax Number: Phone: Email: Correspondence will be sen	5167424366 516-742-434 dknoell@ssn t to the e-mail addre Scully, Scott, 400 Garden	3 np.com <i>ss first; if that is unsuccessful, it will be s</i> Murphy & Presser, P.C. City Plaza, Suite 300		
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Property Typ Application Number: CORRESPONDENCE Fax Number: Phone: Email: Correspondence will be sen Correspondent Name: Address Line 1: Address Line 4:	5167424366 516-742-434 dknoell@ssn t to the e-mail addre Scully, Scott, 400 Garden City,	3 app.com ss first; if that is unsuccessful, it will be s Murphy & Presser, P.C. City Plaza, Suite 300 NEW YORK 11530		
Property Type Application Number: CORRESPONDENCE Fax Number: Phone: Email: Correspondence will be sent Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMBER ATTORNEY DOCKET NUMBER APPLICATION NUMBER	5167424366 516-742-434 dknoell@ssn t to the e-mail addre Scully, Scott, 400 Garden City,	3 np.com ss first; if that is unsuccessful, it will be s Murphy & Presser, P.C. City Plaza, Suite 300 NEW YORK 11530 26476ZYX		
Property Type Application Number: CORRESPONDENCE Fax Number: Phone: Email: Correspondence will be sent Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMBE NAME OF SUBMITTER:	5167424366 516-742-434 dknoell@ssn t to the e-mail addre Scully, Scott, 400 Garden City,	3 app.com ss first; if that is unsuccessful, it will be s Murphy & Presser, P.C. City Plaza, Suite 300 NEW YORK 11530 26476ZYX Peter I. Bernstein		

This document serves as an Oath/Declaration (37 CFR 1.63). Total Attachments: 15 source=DecPOAAssignment#page1.tif source=DecPOAAssignment#page2.tif source=DecPOAAssignment#page3.tif source=DecPOAAssignment#page4.tif source=DecPOAAssignment#page5.tif source=DecPOAAssignment#page6.tif source=DecPOAAssignment#page7.tif source=DecPOAAssignment#page8.tif source=DecPOAAssignment#page9.tif source=DecPOAAssignment#page10.tif source=DecPOAAssignment#page11.tif source=DecPOAAssignment#page12.tif source=DecPOAAssignment#page13.tif source=DecPOAAssignment#page14.tif source=DecPOAAssignment#page15.tif RECEIPT INFORMATION EPAS ID: PAT2221582 Receipt Date: 01/03/2013 Fee Amount: \$40

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION, POWER OF ATTORNEY AND ASSIGNMENT

As a below named inventor, I hereby declare that:

is directed to:	on [] I he attached application, or
	☑ United States application or PCT international application number 13/611,753 filed on September 12, 2012; and
entitled:	BIOTINYLATED HEXADECASACCHARIDES, PREPARATION AND USE THEREOF
The above-ide	entified application was made or authorized to be made by me.
I believe that application.	I am the original inventor or an original joint inventor of a claimed invention in the
I hereby state including the	that I have reviewed and understand the contents of the above-identified application claims.
	the duty to disclose to the United States Patent and Trademark Office all information to be material to patentability as defined in 37 CFR 1.56.
	andersigned inventor(s) has/have made certain inventions, improvements and erein referred to as the "Invention") disclosed in the above-identified patent

Whereas, SANOFI, a corporation of France, having a place of business at 54 rue de la Boétie, 75008, Paris France, desires to acquire, and each undersigned inventor desires to grant to SANOFI, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells, assigns and transfers to SANOFI (the "ASSIGNEE"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue,

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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.

POWER OF ATTORNEY

As a named inventor, I hereby appoint the practitioner(s) associated with Customer No. 97464 as my attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

CUSTOMER NO. 97464

Address all telephone calls to Peter I. Bernstein at telephone no. 516-742-4343

Legal name of sole or first inventor		
Philippe Duchaussoy	Date to Little as D	
Sole or first inventor's signature	Date 22/11/2012	
Legal name of second inventor	•	
Jean Pascal Herault		
Second inventor's signature	Date	

Legal name of third inventor	
Jean Marc Herbert	
Third inventor's signature	Date
Legal name of fourth inventor	
Maurice Petitou	
Fourth inventor's signature	Date
Legal name of fifth inventor	
Pierre Savi	
Fifth inventor's signature	Date

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As a below named inventor, I hereby declare that:

This declaration The attached application, or is directed to:			
13/	☑ United States application or PCT international application number /611,753 filed on September 12, 2012; and		
	IOTINYLATED HEXADECASACCHARIDES, PREPARATION AND USE HEREOF		
The above-identi	fied application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
I hereby state that including the claim	t I have reviewed and understand the contents of the above-identified application, ms.		

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

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regar name or sole or mise mach	toi		
Philippe Duchaussoy			
Sole or first inventor's signature		Date	
Legal name of second inventor			
Jean Pascal Herault			
Second inventor's signature	C. Harris	Date 22/11/2012	
	TWOUL-		

Legal name of third inventor	
Jean Marc Herbert	
Third inventor's signature	Date
Legal name of fourth inventor	
Maurice Petitou	
Fourth inventor's signature	Date
Legal name of fifth inventor	
Pierre Savi	
Fifth inventor's signature	Date

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION, POWER OF ATTORNEY AND ASSIGNMENT

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entitled:	BIOTINYLATED HEXADECASACCHARIDES, PREPARATION AND USE THEREOF	
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REEL: 031435 FRAME: 0560

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CUSTOMER NO. 97464

Y and wants of sale on first inventor

Address all telephone calls to Peter I. Bernstein at telephone no. 516-742-4343

regai traine of sole of first inventor		
Philippe Duchaussoy		
Sole or first inventor's signature	Date	
Legal name of second inventor		
Jean Pascal Herault		
Second inventor's signature	Date	

	N		
Legal name of third inventor	. //		
Jean Marc Herbert	111		
Third inventor's signature		Date 23/11/	12
Legal name of fourth inventor			
Maurice Petitou			
Fourth inventor's signature		Date	
7 1 00011			
Legal name of fifth inventor			
Pierre Savi			
Fifth inventor's signature		Date	

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION, POWER OF ATTORNEY AND ASSIGNMENT

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The above-identified application was made or authorized to be made by me.

As a below named inventor, I hereby declare that:

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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Legal name of sole or first inventor		
Philippe Duchaussoy	Y-1	
Sole or first inventor's signature	Date	
Legal name of second inventor		
Jean Pascal Herault		
Second inventor's signature	Date	
,		

Legal name of third inventor	
Jean Marc Herbert	
Third inventor's signature	Date
Legal name of fourth inventor	
Maurice Petitou	
Fourth inventor's signature	Date 18 DEC 2012
Legal name of fifth inventor	
Pierre Savi	
Fifth inventor's signature	Date

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Legal name of sole or first inventor		
Date		
Date		

Legal name of third inventor			
Jean Marc Herbert			
Third inventor's signature	Date		
Legal name of fourth inventor			
Maurice Petitou			
Fourth inventor's signature	Date		
Legal name of fifth inventor			
Pierre Savi	<u></u>		
Fifth inventor's signature.	Date (12/12/12)		

RECORDED: 10/18/2013