

Castillo Grau & Asociados

ABOGADOS

Señores
DIRECCION DE NUEVAS CREACIONES
SUPERINTENDENCIA DE INDUSTRIA Y COME
Bogotá, D.C.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 13-125485- -00002-0000

Fecha: 2013-09-30 09:13:37 Dep. 2020 DIR.NUEVASCR
Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 444 RESPUESTAREQUE Folios: 13

Re.: Código 011-378-444
Expediente No. 13-125.485
Fase nacional de Solicitud
de Patente PCT
STEPAN COMPANY

En relación con el expediente de la referencia y dando cumplimiento a la última providencia recaída sobre este asunto por medio del presente escrito me permito manifestarles lo siguiente:

1. De conformidad con instrucciones de mi representada adjunto un nuevo capítulo reivindicatorio el cual ha sido revisado y aclarado.
2. Acompaño una copia certificada del documento en el que consta la cesión de los inventores a la sociedad solicitante.
3. Igualmente acompaño el comprobante de pago por concepto de modificación de la solicitud por valor de \$ 125.000.00, recibo No. 97.116, y el comprobante de pago por concepto de reivindicaciones adicionales por valor de \$ 150.000.00, recibo No. 97.118.

Renuncio al término faltante de traslado, y les solicito ordenar la publicación del extracto.

De Ustedes Atentamente,

LUIS FELIPE CASTILLO GIBSON
T.P. No. 68.995 del C.S.J.

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 Industria y Comercio SUPERINTENDENCIA	RECIBO DE CAJA	No. 13 - 0097716
		Bogotá D.C., Septiembre 27 de 2013 - 16:08:06

RECIBIDO DE : CASTILLO GRAU & ASOCIADOS LTDA.	NI 800.098.704
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*** Soporte del Pago ***					
TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	VR PAGO
CONSIGNACION	BANCO DE BOGOTA	062754387	534267915	27/09/2013	1.466.000.00

*** Conceptos Pagados ***			
CANT.	RENTISTICO	CONCEPTO	Vr.UNDITARIO Vr.CONCEPTO
1 50005-01-03	CAMBIO DE MODALIDAD Y MODIFICACIONES	SOLICITUD MODIFICACIONES CAMBIO SOLICITANTE POR CESION	125.000.00 125.000.00
			\$125.000.00

SON: **CIENTO VEINTICINCO MIL PESOS MONEDA CORRIENTE***

Responsable: _____
Recibo de Caja Aplicado al Expediente No. _____

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

No. 13-125485- -00002-0000
Fecha: 2013-09-30 09:13:37 Dep. 2020 DIR.NUEVASCR
Tra. 11. PATENTEIYII Eve: 378 FASENACIONALI
Act. 444 RESPUESTAREQUE Folios: 13

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
NIT : 800.176.089-2
- / -

 Industria y Comercio SUPERINTENDENCIA	RECIBO DE CAJA	No. 13 - 0097718
		Bogotá D.C., Septiembre 27 de 2013 - 16:08:06

RECIBIDO DE : CASTILLO GRAU & ASOCIADOS LTDA.					NI 800.098.704
*** Soporte del Pago ***					
TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	VR PAGO
CONSIGNACION	BANCO DE BOGOTA	062754387	534267915	27/09/2013	1.466.000.00

*** Conceptos Pagados ***				
CANT.	RENTISTICO	CONCEPTO	Vr. UNIDITARIO	Vr. CONCEPTO
5	50005-01-01 SOLICITUDES	1607 REIVINDICACION PATENTE UNITARIA ADICIONAL A LAS 10 INIC	30.000.00	150.000.00
				\$150.000.00

SON: **CIENTO CINCUENTA MIL PESOS MONEDA CORRIENTE**

Responsable: _____
-**-
Recibo de Caja Aplicado al Expediente No. _____

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

No. 13-125485- -00002-0000
Fecha: 2013-09-30 09:13:37 Dep. 2020 DIR.NUEVASCR
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Reivindicaciones

Lo que se reivindica es:

1. Una amida grasa que comprende un producto de la reacción de un ácido C10-C17 monoinsaturado derivado de la metátesis, ácido octadeceno-1,18-dioico o sus derivados estéricos con amoníaco o una amina primaria o secundaria.
2. Un derivado obtenido como resultado de uno o más de entre reducción, cuaternización, sulfonatación, alcoxilación, sulfatación y sulfitación de la amida de la reivindicación 1.
3. La amida de la reivindicación 1 que se caracteriza porque el ácido o derivado estérico reactante tiene por lo menos 1 mol% de trans- $\Delta 9$ insaturación.
4. La amida de la reivindicación 1 que se caracteriza porque la amina tiene por lo menos un átomo N u O enlazado a un carbono que es beta o gamma al átomo de N de la amina.
5. La amida de la reivindicación 1 que tiene la fórmula:
$$R^1CO-NR_2R_3$$

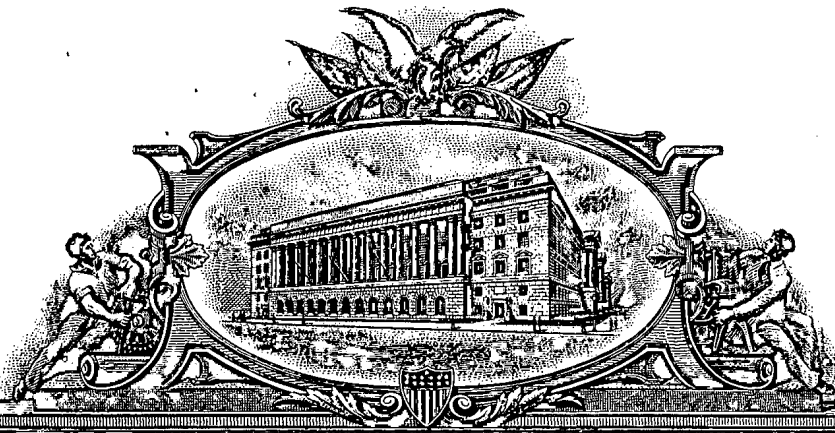
donde R^1 es $R^4-C_9H_{16}-$ o $R^5O_2C-C_{16}H_{30}-$; R^4 es hidrógeno o C_1-C_7 alquilo; R^5 es alquilo sustituido o no sustituido, arilo, alquenilo, oxialquileno, polioxialquileno, éster de glicerilo o un catión mono o divalente; y cada uno de R^2 y R^3 son independientemente H, C_1-C_6 alquilo o $-CH_2CH_2OR_6$ donde R^6 es H o C_1-C_6 alquilo.
6. La amida de la reivindicación 1 que se caracteriza porque la amina se selecciona de entre el grupo compuesto por etanolamina, N-metiletanolamina y dietanolamina.
7. La amida de la reivindicación 1 que se caracteriza porque (i) la amina es 2-aminoetiletanolamina (AEEA) y la amida es un éster de imidazolina, o (ii) la amina es dietilentriamina (DETA) y la amida es una amida imidazolina.
8. La amida de la reivindicación 1 que se caracteriza porque el derivado estérico es (i) un triglicérido modificado obtenido por la autometátesis de un aceite natural, que se caracteriza porque el aceite natural se selecciona de entre el grupo compuesto por aceite de soya, aceite de palma, aceite de colza, aceite de algas y mezclas de los mismos; o (ii) un triglicérido insaturado obtenido por la metátesis

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cruzada de un aceite natural con una olefina, que se caracteriza porque el aceite natural se selecciona de entre el grupo compuesto por aceite de soya, aceite de palma, aceite de colza, aceite de algas y mezclas de los mismos y la olefina es una C2-C8 α -olefina o una C4-C9 olefina interna.

9. La amida de la reivindicación 1 que se caracteriza porque el ácido C10-C17 monoinsaturado o derivado estérico comprende (i) un C10 y un ácido o derivado estérico C12 monoinsaturado.; (ii) un C10 y un ácido o derivado estérico C14 monoinsaturado.; o (iii) un C10 y un ácido o derivado estérico C16 monoinsaturado.
10. Un emulsionante aniónico para composiciones agrícolas, un emulsionante no iónico para composiciones agrícolas; un dispersante para composiciones agrícolas, una composición herbicida hidrosoluble, o un solvente agrícola que comprenden cada uno la amida grasa de la reivindicación 1, o el derivado de la amida grasa de la reivindicación 2.
11. Una composición antimicrobiana que comprende la amida grasa de la reivindicación 1, o el derivado de la amida grasa de la reivindicación 2.
12. Un limpiador acuoso de superficies duras, un limpiador industrial de superficies duras, una fórmula de detergente para lavar la ropa, un champú o acondicionador para el pelo, o un limpiador personal o jabón para manos que comprenden cada uno la amida grasa de la reivindicación 1, o el derivado de la amida grasa de la reivindicación 2.
13. Un inhibidor de corrosión para usar en aplicaciones de yacimientos petrolíferos que comprende la amida grasa de la reivindicación 1, o el derivado de la amida grasa de la reivindicación 2.
14. Un dispersante de parafina para usar en aplicaciones de yacimientos petrolíferos que comprende la amida grasa de la reivindicación 1, o el derivado de la amida grasa de la reivindicación 2.
15. Una pintura o composición de aditivo de recubrimiento que comprende la amida grasa de la reivindicación 1, o el derivado de la amida grasa de la reivindicación 2.

A 7421679



THE UNITED STATES OF AMERICA

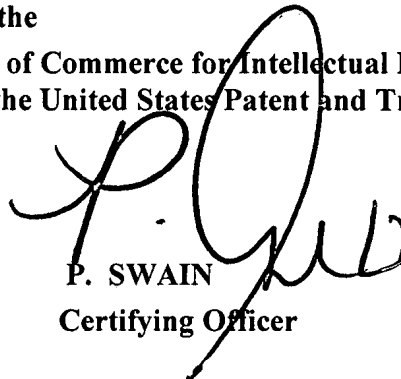
TO ALL TO WHOM THESE PRESENTS SHALL COME:

**UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

June 11, 2013

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
MAY 01, 2013.**

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**


P. SWAIN
Certifying Officer



502330766 05/01/2013

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dave R. Allen	04/05/2013
Marcos Alonso	04/17/2013
Randal J. Bernhardt	04/10/2013
Aaron Brown	04/08/2013
Kelly Buchek	04/12/2013
Sangeeta Ganguly-Mink	04/08/2013
Brian Holland	04/16/2013
Gary Luebke	04/12/2013
Renee Luka	04/16/2013
Andrew D. Malec	04/04/2013
Ronald A. Masters	04/15/2013
Dennis S. Murphy	04/05/2013
Irene Shapiro	04/08/2013
Patti Skelton	04/24/2013
Brian Sook	04/04/2013
Michael R. Terry	04/08/2013
Gregory Wallace	04/08/2013
Laura Lee Whitlock	04/05/2013
Michael Wiestler	04/05/2013
Patrick Shane Wolfe	04/16/2013
Lena Titievsky	04/25/2013

RECEIVING PARTY DATA

Name:	Stepan Company
Street Address:	22 W. Frontage Road
City:	Northfield
State/Country:	ILLINOIS
Postal Code:	60093

PROPERTY NUMBERS Total: 1

502330766

PATENT

REEL: 030324 FRAME: 0492

CH \$40.00 13878556

4

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Property Type	Number
Application Number:	13878556

CORRESPONDENCE DATA

Fax Number: 2032208497
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2032208496
 Email: dilworthip@dilworthip.com
 Correspondent Name: Dilworth IP, LLC
 Address Line 1: 2 Corporate Drive - Suite 206
 Address Line 4: Trumbull, CONNECTICUT 06611

ATTORNEY DOCKET NUMBER:	102-074PCT
NAME OF SUBMITTER:	Paula V. Testani
Signature:	/Paula V. Testani/
Date:	05/01/2013

Total Attachments: 5
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ASSIGNMENT OF INVENTION

WHEREAS, We, Dave R. Allen, Marcos Alonso, Randal J. Bernhardt, Aaron Brown, Kelly Buchek, Sangeeta Ganguly-Mink, Brian Holland, Gary Luebke, Renee Luka, Andrew D. Malec, Ronald A. Masters, Dennis S. Murphy, Irene Shapiro, Patti Skelton, Brian Sook, Michael R. Terry, Gregory Wallace, Laura Lee Whitlock, Michael Wiester, Patrick Shane Wolfe, (the "Assignors"), have made an invention entitled

FATTY AMIDES AND DERIVATIVES FROM NATURAL OIL METATHESIS

filed as PCT Patent Application Number PCT/US2011/057597, on October 25, 2011, claiming priority to US Provisional Patent Application Nos. 61/406,547, 61/406,556 and 61/406,570, filed October 25, 2010, which are hereby incorporated in their entireties.

WHEREAS, STEPAN COMPANY, a Delaware corporation, having an address at 22 W. Frontage Road, Northfield, IL, 60093 (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, including any tangible materials embodied in or encompassed by the invention, and any improvements thereon, (the "Invention") and in and to applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries, including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof (the "Rights");

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and conveyed, and do hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid Invention and Rights. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

AND Assignors hereby authorize and request the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

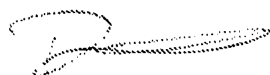
AND Assignors hereby represent, warrant and covenant that they have the full right to convey the entire interest herein assigned, that they have not executed and will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

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AND Assignors further covenant and agree that Assignors will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said Invention and Rights hereby sold, assigned, transferred and conveyed, and that Assignors will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignors further covenant and agree that Assignors will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to them, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

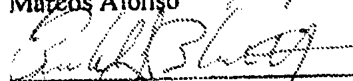
In witness whereof, executed by the undersigned on the date below.


Dave R. Allen

Date: April 5, 2013


Marcos Alonso

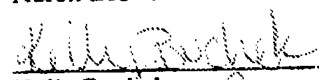
Date: 4/17/2013


Randal J. Bernhardt

Date: April 10, 2013


Aaron Brown

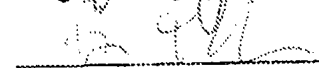
Date: 4-8-2013


Kelly Buchek

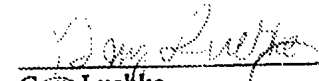
Date: April 12, 2013


Sangeeta Ganguly-Mink

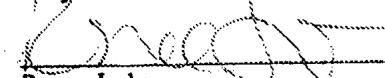
Date: April 8, 2013


Brian Holland

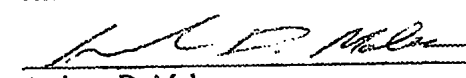
Date: 4.16.2013


Gary Luebke

Date: 4/17/2013


Renee Luka

Date: 4/16/2013


Andrew D. Malec

Date: April 4, 2013

Attorney Docket 102-074PCT

Ronald A. Masters
Ronald A. Masters

Date: April 12, 2013

Dennis S. Murphy
Dennis S. Murphy

Date: April 5, 2013

Irene Shapiro
Irene Shapiro

Date: April 8, 2013

Pat Skelton
Pat Skelton

Date: April 24, 2013

Brian Sook
Brian Sook

Date: 04 April 2013

Michael R. Terry
Michael R. Terry

Date: April 9, 2013

Gregory Wallace
Gregory Wallace

Date: April 8, 2013

Laura Lee Whitlock
Laura Lee Whitlock

Date: April 5, 2013

Michael Wiester
Michael Wiester

Date: April 5, 2013

Patrick Shane Wolfe
Patrick Shane Wolfe

Date: 4/16/13

ASSIGNMENT OF INVENTION

WHEREAS, I, Lena Titievsky, (the "Assignor"), has made an invention entitled

FATTY AMIDES AND DERIVATIVES FROM NATURAL OIL METATHESIS

filed as PCT Patent Application Number PCT/US2011/057597, on October 25, 2011, claiming priority to US Provisional Patent Application Nos. 61/406,547, 61/406,556 and 61/406,570, filed October 25, 2010, which are hereby incorporated in their entireties.

WHEREAS, STEPAN COMPANY, a Delaware corporation, having an address at 22 W. Frontage Road, Northfield, IL, 60093 (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, including any tangible materials embodied in or encompassed by the invention, and any improvements thereon; (the "Invention") and in and to applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries; including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof (the "Rights");

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid Invention and Rights. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

AND Assignor hereby authorizes and requests the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

AND Assignor hereby represents, warrants and covenants that she has the full right to convey the entire interest herein assigned, that she has not executed and will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignor further covenants and agrees that Assignor will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel

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Attorney Docket 102-074PCT

for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said Invention and Rights hereby sold, assigned, transferred and conveyed, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignor further covenants and agrees that Assignor will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to them, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

In witness whereof, executed by the undersigned on the date below.

Lena Titievsky
Lena Titievsky

Date: 4/25/13