502348656 05/15/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Michael Cardinale	04/03/2013
Doug Souls	04/09/2013
Simon Cohn	04/09/2013
Jonathan B. Gabel	04/19/2013
Matthew D. Daniel	04/03/2013
Danial Paul Ferreira	05/03/2013

RECEIVING PARTY DATA

Name:	Ethicon, Inc.
Street Address:	P.O. Box 151
Internal Address:	U.S. Route 22
City:	Somerville
State/Country:	NEW JERSEY
Postal Code:	08876

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29447579

CORRESPONDENCE DATA

Fax Number: 9083251155

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 908-689-8700

Email: mdoherty@dohertyiplaw.com
Correspondent Name: Doherty & Charney LLC
Address Line 1: 37 Belvidere Avenue

Address Line 4: Washington, NEW JERSEY 07882

ATTORNEY DOCKET NUMBER:	ETH5757USDP
	PATENT

REEL: 030419 FRAME: 0852

\$40.00 29447579

502348656

NAME OF SUBMITTER:	Michael J. Doherty
Signature:	/michael j. doherty/
Date:	05/15/2013
Total Attachments: 20 source=FiledAssignment#page1.tif source=FiledAssignment#page2.tif source=FiledAssignment#page3.tif source=FiledAssignment#page4.tif source=FiledAssignment#page5.tif source=FiledAssignment#page6.tif source=FiledAssignment#page7.tif source=FiledAssignment#page8.tif source=FiledAssignment#page9.tif source=FiledAssignment#page10.tif source=FiledAssignment#page11.tif source=FiledAssignment#page12.tif source=FiledAssignment#page13.tif source=FiledAssignment#page14.tif source=FiledAssignment#page15.tif source=FiledAssignment#page16.tif source=FiledAssignment#page17.tif source=FiledAssignment#page18.tif source=FiledAssignment#page19.tif source=FiledAssignment#page19.tif source=FiledAssignment#page20.tif	

PATENT REEL: 030419 FRAME: 0853

ASSIGNMENT

U.S. Patent Application Serial No.: 29/447,579

Filed: March 5, 2013

WHEREAS, Michael Cardinale, a citizen of the United States of America, residing at 7C Dorado Drive, Morristown, New Jersey 07960,

Doug Souls, a citizen of the United States of America, residing at 15 Park Terrace, Andover, New Jersey 07821

Simon Cohn, a citizen of the United States of America, residing at 58 Brunswick Avenue, Lebanon, New Jersey 08833,

Jonathan B. Gabel, a citizen of the United States of America, residing at 7 Beaver Dam Road, Randolph, New Jersey 07869,

Matthew D. Daniel, a citizen of the United States of America, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

Danial Paul Ferreira, a citizen of the United States of America, residing at 145 Zion Hill Road, Milford, Connecticut 06461; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

CONTOURED TIP

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon, Inc., a corporation formed under the laws of the State of New Jersey, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to him moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and does hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if their Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

	IN TESTIMONY	WHEREOF, Assignor	has hereunto set his	hand and seal	this <u>3rd</u>	day
of _	Hpril , 2013			11	1	,
		•	+	Phy (pre	<u> </u>	

By: Michael Cardinale Title: Assignor

STATE OF NEW JERSEY)

COUNTY OF SOMERSET

BE IT REMEMBERED, That on this 3 day of APRIL , 2013, before me, a Notary Public, personally appeared Michael Cardinale, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed

ROOM TANK

'ROBERT J. TANNHAUSER NOTARY FUBLIC OF NEW JERSEY My Commission Explice 10/18/2014

	IN TESTIMONY WHEREOF, Assignor has hereunto	set his hand and seal this 4th day
(of <u>APRIL</u> , 2013	_
		Tour Souls
		By: Doug Souls
		Title: Assignor
	1	Title. Tissigner
,	STATE OF <u>NEW VERSEY</u>)	
	ss.	
(STATE OF <u>New Jersey</u>) ss. COUNTY OF <u>Simerset</u>	
	Ath 1	2 2
	BE IT REMEMBERED, That on this day of	· · · · · · · · · · · · · · · · · · ·
	Notary Public, personally appeared Doug Souls, who I am sa	-
	who executed the foregoing instrument in my presence, and he contents thereof, he did acknowledge that he signed, seal	
. કર્ય 	Sontains thereof, he did acknowledge that he signed, seal	
MY	colling act and deed for the ases and purposes therein expres	E1)+#1-0
20		Hole / auchaum
	Sio	Notary Rublic ROBERT J. TANNHAUSER
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTARY PUBLIC OF NEW JERSEY
	1360 14 1	kly Commission Expires 10/18/20/4
	IN TESTIMONY WHEREOF. Assignor has bereunto:	set his hand and seal this $\int_{-\infty}^{\infty} f day$
c	IN TESTIMONY WHEREOF, Assignor has hereunto a APRIL , 2013.	
		By: Simon Cohn
		Title: Assignor
S	TATE OF NEW LESSEY)	
(COUNTY OF SMERSET) ss.	
		22
_	BE IT REMEMBERED, That on this day of A	
	lotary Public, personally appeared Simon Cohn, who I am sa	<u>*</u>
	who executed the foregoing instrument in my presence, and I ne contents thereof, he did acknowledge that he signed, seal-	
	oluntary act and deed for the uses and purposes therein expres	
1	() () () () () () () () () ()	all the
	MY CA. SO	Kolinf / Churchaus
	TU	Moltowy Dellatio
•	202	Notary Rublic
7.2	2007A 3	ROBERT J. TANNHAUSER
30.00	3 3	ROBERT J. TANNHAUSER NOTARY PUBLIC OF NEW JERSEY
	3 3	ROBERT J. TANNHAUSER

PATENT REEL: 030419 FRAME: 0856

ATE OF) ss. DUNTY OF) BE IT REMEMBERED, That on this day of tary Public, personally appeared Jonathan B. Gabel, who I am I who executed the foregoing instrument in my presence, and in the contents thereof, he did acknowledge that he signed, sea voluntary act and deed for the uses and purposes therein expre	satisfied is the person named I I having first made known aled, and delivered the same
BE IT REMEMBERED, That on this day of tary Public, personally appeared Jonathan B. Gabel, who I am I who executed the foregoing instrument in my presence, and In the contents thereof, he did acknowledge that he signed, sea	satisfied is the person named I I having first made known aled, and delivered the same
BE IT REMEMBERED, That on this day of tary Public, personally appeared Jonathan B. Gabel, who I am I who executed the foregoing instrument in my presence, and In the contents thereof, he did acknowledge that he signed, sea	satisfied is the person named I I having first made known aled, and delivered the same
tary Public, personally appeared Jonathan B. Gabel, who I am I who executed the foregoing instrument in my presence, and the contents thereof, he did acknowledge that he signed, sea	satisfied is the person named I I having first made known aled, and delivered the same
	Notary Public
·	By: Matthew D. Daniel Title: Assignor
ATE OF) ss. UNTY OF)	
BE IT REMEMBERED, That on this day ofary Public, personally appeared Matthew D. Daniel, who I and who executed the foregoing instrument in my presence, and	n satisfied is the person name d I having first made known
the contents thereof, he did acknowledge that he signed, sea voluntary act and deed for the uses and purposes therein express	

of,	eunto set his hand and seal this day
	By: Danial Paul Ferreira Title: Assignor
STATE OF)	
COUNTY OF) ss.	
BE IT REMEMBERED, That on this day or	f,, before me, a
Notary Public, personally appeared Danial Paul Ferreira, in and who executed the foregoing instrument in my preshim the contents thereof, he did acknowledge that he sighting voluntary act and deed for the uses and purposes there	who I am satisfied is the person named sence, and I having first made known to gned, sealed, and delivered the same as
	Notary Public

ASSIGNMENT

U.S. Patent Application Serial No.: 29/447,579

Filed: March 5, 2013

WHEREAS, Michael Cardinale, a citizen of the United States of America, residing at 7C Dorado Drive, Morristown, New Jersey 07960,

Doug Souls, a citizen of the United States of America, residing at 15 Park Terrace, Andover, New Jersey 07821

Simon Cohn, a citizen of the United States of America, residing at 58 Brunswick Avenue, Lebanon, New Jersey 08833,

Jonathan B. Gabel, a citizen of the United States of America, residing at 7 Beaver Dam Road, Randolph, New Jersey 07869,

Matthew D. Daniel, a citizen of the United States of America, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

Danial Paul Ferreira, a citizen of the United States of America, residing at 145 Zion Hill Road, Milford, Connecticut 06461; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

CONTOURED TIP

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon, Inc., a corporation formed under the laws of the State of New Jersey, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to him moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and does hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if their Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this	_ day
of	
By: Michael Cardinale Title: Assignor	-
STATE OF) ss.	
COUNTY OF) ss.	
BE IT REMEMBERED, That on this day of,, before a Notary Public, personally appeared Michael Cardinale, who I am satisfied is the person name and who executed the foregoing instrument in my presence, and I having first made know him the contents thereof, he did acknowledge that he signed, sealed, and delivered the san his voluntary act and deed for the uses and purposes therein expressed.	ed in vn to
Notary Public	_

	By: Doug Souls
	Title: Assignor
STATE OF)	
) ss.	
COUNTY OF)	
BE IT REMEMBERED, That on this day of	hefore me
Notary Public, personally appeared Doug Souls, who I am sa	atisfied is the person named in and
who executed the foregoing instrument in my presence, and	
the contents thereof, he did acknowledge that he signed, sea	
voluntary act and deed for the uses and purposes therein expre	ssed.
	Notary Public
	140tary 1 dolle
IN TESTIMONY WHEREOF, Assignor has hereunto	set his hand and seal this day
	set his hand and seal this day
	set his hand and seal this day
	By: Simon Cohn
	By: Simon Cohn
of,	By: Simon Cohn
of,) STATE OF) ss.	By: Simon Cohn
of,) STATE OF) ss.	By: Simon Cohn
STATE OF) ss.	By: Simon Cohn Title: Assignor
Of,	By: Simon Cohn Title: Assignor
STATE OF	By: Simon Cohn Title: Assignor
STATE OF	By: Simon Cohn Title: Assignor , before me, a tisfied is the person named in and I having first made known to him
STATE OF	By: Simon Cohn Title: Assignor , before me, a tisfied is the person named in and having first made known to him ed, and delivered the same as his
STATE OF	By: Simon Cohn Title: Assignor , before me, a tisfied is the person named in and having first made known to him ed, and delivered the same as his
of,) STATE OF) ss. COUNTY OF)	By: Simon Cohn Title: Assignor , before me, a tisfied is the person named in and having first made known to him ed, and delivered the same as his

3

IN TESTIMONY WHEREOF, Assignor has hereunto so of $\frac{1}{20}$, $\frac{20}{3}$.	set his hand and seal this 19 day
1.	Mill Land
	By: Jonathan B. Gabel Title: Assignor
STATE OF New Jersey SS. COUNTY OF REMEMBERED, That on this 19th day of 20 Notary Public, personally appeared Jonathan B. Gabel, who I am and who executed the foregoing instrument in my presence, a him the contents thereof, he did acknowledge that he signed, shis voluntary act and deed for the uses and purposes therein expenses the state of the uses and purposes therein expenses was ac 22, 2016	m satisfied is the person named in and I having first made known to sealed, and delivered the same as pressed. Notary Public
of,	By: Matthew D. Daniel Title: Assignor
STATE OF) ss. COUNTY OF)	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Matthew D. Daniel, who I is in and who executed the foregoing instrument in my presence, a him the contents thereof, he did acknowledge that he signed, so his voluntary act and deed for the uses and purposes therein expr	and I having first made known to ealed, and delivered the same as
	Notary Public

.	By: Danial Paul Ferreira Title: Assignor
STATE OF) ss.	
COUNTY OF	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Danial Paul Ferreira, who in and who executed the foregoing instrument in my presence him the contents thereof, he did acknowledge that he signed his voluntary act and deed for the uses and purposes therein ex	I am satisfied is the person named e, and I having first made known to , sealed, and delivered the same as
	Notary Public

ASSIGNMENT

U.S. Patent Application Serial No.: 29/447,579

Filed: March 5, 2013

WHEREAS, Michael Cardinale, a citizen of the United States of America, residing at 7C Dorado Drive, Morristown, New Jersey 07960,

Doug Souls, a citizen of the United States of America, residing at 15 Park Terrace, Andover, New Jersey 07821

Simon Cohn, a citizen of the United States of America, residing at 58 Brunswick Avenue, Lebanon, New Jersey 08833,

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Matthew D. Daniel, a citizen of the United States of America, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

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IN TESTIMONY WHEREOF, Assignor has hereunto so of,	et his hand and seal this day
	By: Michael Cardinale Title: Assignor
STATE OF	
COUNTY OF) ss.	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Michael Cardinale, who I are and who executed the foregoing instrument in my presence, as him the contents thereof, he did acknowledge that he signed, s his voluntary act and deed for the uses and purposes therein expressions.	n satisfied is the person named in nd I having first made known to ealed, and delivered the same as
	Notary Public

	By: Doug Souls
	Title: Assignor
	Č
STATE OF) ss.	
COUNTY OF)	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Doug Souls, who I am sa who executed the foregoing instrument in my presence, and the contents thereof, he did acknowledge that he signed, seal voluntary act and deed for the uses and purposes therein expres	tisfied is the person named in and I having first made known to him led, and delivered the same as his
	Notary Public
IN TESTIMONY WHEREOF, Assignor has hereunto of,	set his hand and seal this day
	By: Simon Cohn Title: Assignor
STATE OF) ss.	
) ss. COUNTY OF)	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Simon Cohn, who I am sa who executed the foregoing instrument in my presence, and the contents thereof, he did acknowledge that he signed, seal voluntary act and deed for the uses and purposes therein expres	I having first made known to him ed, and delivered the same as his
	Notary Public

3

IN TESTIMONY WHEREOF, Assignor has hereunto	set his hand and seal this day
	By: Jonathan,B. Gabel Title: Assignor
STATE OF) ss.	
COUNTY OF	
BE IT REMEMBERED, That on thisday of	, , before me, a
Notary Public, personally appeared Jonathan B. Gabel, who I and who executed the foregoing instrument in my presence him the contents thereof, he did acknowledge that he signed his voluntary act and deed for the uses and purposes therein e	, and I having first made known to I, sealed, and delivered the same as
	Section Afternation of the Control o
	Notary Public
IN TESTIMONY WHEREOF, Assignor has hereunted of April , 2013.	o set his hand and seal this 3 rd day
	By: Matthew D. Daniel
	Title: Assignor
STATE OF Michigan)	
COUNTY OF Washtenaw) ss.	
BE IT REMEMBERED, That on this 2 rd day of 1 Notary Public, personally appeared Matthew D. Daniel, who in and who executed the foregoing instrument in my presence him the contents thereof, he did acknowledge that he signed his volumery act and deed for the uses and purposes therein e	e, and I having first made known to I, sealed, and delivered the same as expressed.
MARGARET A. EVANS Notary Public, State of Michigan County of Livingston My Commission Expires 06-29-2015 Acting in the County of Living 12000 4	Margard awars Notary Public

PATENT REEL: 030419 FRAME: 0867

IN TESTIMONY WHEREOF, Assignor has he of,	ereunto set his hand and seal this day
	By: Danial Paul Ferreira Title: Assignor
STATE OF)	
COUNTY OF) ss.	
BE IT REMEMBERED, That on this day Notary Public, personally appeared Danial Paul Ferreir in and who executed the foregoing instrument in my problem the contents thereof, he did acknowledge that he his voluntary act and deed for the uses and purposes the	ra, who I am satisfied is the person named resence, and I having first made known to signed, sealed, and delivered the same as
	Notary Public

ASSIGNMENT

U.S. Patent Application Serial No.: 29/447,579

Filed: March 5, 2013

WHEREAS, Michael Cardinale, a citizen of the United States of America, residing at 7C Dorado Drive, Morristown, New Jersey 07960,

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Jonathan B. Gabel, a citizen of the United States of America, residing at 7 Beaver Dam Road, Randolph, New Jersey 07869,

Matthew D. Daniel, a citizen of the United States of America, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

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of,	et his hand and seal this da
	By: Michael Cardinale Title: Assignor
STATE OF)	
COUNTY OF) ss.	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Michael Cardinale, who I are and who executed the foregoing instrument in my presence, as him the contents thereof, he did acknowledge that he signed, s his voluntary act and deed for the uses and purposes therein exp	n satisfied is the person named ind I having first made known to be aled, and delivered the same a
	Notary Public

of,	set his hand and seal this day
	By: Doug Souls Title: Assignor
STATE OF) ss. COUNTY OF)	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Doug Souls, who I am sat who executed the foregoing instrument in my presence, and I the contents thereof, he did acknowledge that he signed, seal- voluntary act and deed for the uses and purposes therein expres	isfied is the person named in and having first made known to him ed, and delivered the same as his
	Notary Public
IN TESTIMONY WHEREOF, Assignor has hereunto s of,	set his hand and seal this day
	By: Simon Cohn Title: Assignor
STATE OF) ss. COUNTY OF)	
BE IT REMEMBERED, That on this day of Notary Public, personally appeared Simon Cohn, who I am saw who executed the foregoing instrument in my presence, and I the contents thereof, he did acknowledge that he signed, sealed voluntary act and deed for the uses and purposes therein express	having first made known to him ed, and delivered the same as his
	Notary Public

PATENT REEL: 030419 FRAME: 0871

IN TESTIMONY WHEREOF, Assignor has hereun	to set his hand and seal this day
of	
	By: Jonathan B. Gabel
	Title: Assignor
	Title. Tibbigilor
STATE OF)	
) ss.	
COUNTY OF)	
BE IT REMEMBERED, That on this day of _	, before me, a
Notary Public, personally appeared Jonathan B. Gabel, who	
and who executed the foregoing instrument in my presenc him the contents thereof, he did acknowledge that he signe	-
his voluntary act and deed for the uses and purposes therein	
ins voluntary act and acce for the ases and purposes therein	expressed.
	Notary Public
DI TEGTIMONIM MATERICOE A ' 1 1	
IN TESTIMONY WHEREOF, Assignor has hereum of	to set his hand and seal this day
	By: Matthew D. Daniel
	Title: Assignor
ST. T. ST.	
STATE OF	
) ss.	
COUNTY OF)	
BE IT REMEMBERED, That on this day of _	, , before me, a
Notary Public, personally appeared Matthew D. Daniel, wh	
in and who executed the foregoing instrument in my presen-	-
him the contents thereof, he did acknowledge that he signe	
his voluntary act and deed for the uses and purposes therein	
	Notary Public
	INULALY FUULIC

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IN TESTIMONY WHEREOF, Assignor has hereunto se of May, 2013.	et his hand and seal this 3rd day
*	
	By: Danial Paul Ferreira Title: Assignor
STATE OF Connection) ss. Shelton COUNTY OF Toir Field	
BE IT REMEMBERED, That on this 3rd day of Me Notary Public, personally appeared Danial Paul Ferreira, who I in and who executed the foregoing instrument in my presence, a him the contents thereof, he did acknowledge that he signed, s his voluntary act and deed for the uses and purposes therein expressions.	am satisfied is the person named and I having first made known to ealed, and delivered the same as ressed.
	Notary Public Comm. Expires 4-30-2017