PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIEMING RUAN	01/10/2011
STEPHEN RICHARDS	04/19/2011
ELIOT ZAIKEN	01/13/2011
CRAIG NEWMAN	01/21/2011
VADIM GOYKHMAN	01/10/2011
JOSEPH ALU	03/26/2011
MICHAEL VINCENT QUINN	01/10/2011

RECEIVING PARTY DATA

Name:	BECTON, DICKINSON AND COMPANY
Street Address:	One Becton Drive
Internal Address:	MC 110
City:	Franklin Lakes
State/Country:	NEW JERSEY
Postal Code:	07417

PROPERTY NUMBERS Total: 2

Property Type	Number		
Application Number:	12922802		
PCT Number:	US0937084		

CORRESPONDENCE DATA

Fax Number: (973)331-1717

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

973-331-1700 Phone:

Email: jpost@hoffmannbaron.com Correspondent Name: HOFFMANN & BARON, LLP Address Line 1: 6900 Jericho Turnpike

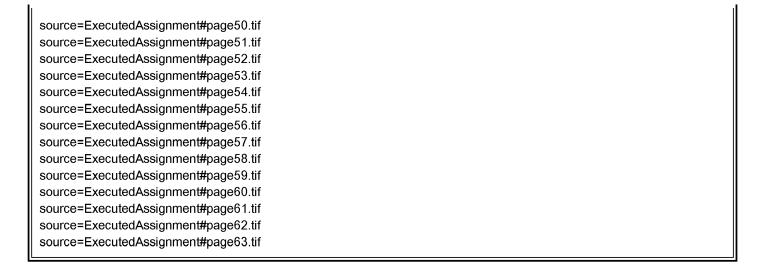
Syosset, NEW YORK 11791-4407 Address Line 4:

PATENT

REEL: 026221 FRAME: 0548

ATTORNEY DOCKET NUMBER:	102-667 B PCT/US
NAME OF SUBMITTER:	Ludomir A. Budzyn

Total Attachments: 63 source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif source=ExecutedAssignment#page3.tif source=ExecutedAssignment#page4.tif source=ExecutedAssignment#page5.tif source=ExecutedAssignment#page6.tif source=ExecutedAssignment#page7.tif source=ExecutedAssignment#page8.tif source=ExecutedAssignment#page9.tif source=ExecutedAssignment#page10.tif source=ExecutedAssignment#page11.tif source=ExecutedAssignment#page12.tif source=ExecutedAssignment#page13.tif source=ExecutedAssignment#page14.tif source=ExecutedAssignment#page15.tif source=ExecutedAssignment#page16.tif source=ExecutedAssignment#page17.tif source=ExecutedAssignment#page18.tif source=ExecutedAssignment#page19.tif source=ExecutedAssignment#page20.tif source=ExecutedAssignment#page21.tif source=ExecutedAssignment#page22.tif source=ExecutedAssignment#page23.tif source=ExecutedAssignment#page24.tif source=ExecutedAssignment#page25.tif source=ExecutedAssignment#page26.tif source=ExecutedAssignment#page27.tif source=ExecutedAssignment#page28.tif source=ExecutedAssignment#page29.tif source=ExecutedAssignment#page30.tif source=ExecutedAssignment#page31.tif source=ExecutedAssignment#page32.tif source=ExecutedAssignment#page33.tif source=ExecutedAssignment#page34.tif source=ExecutedAssignment#page35.tif source=ExecutedAssignment#page36.tif source=ExecutedAssignment#page37.tif source=ExecutedAssignment#page38.tif source=ExecutedAssignment#page39.tif source=ExecutedAssignment#page40.tif source=ExecutedAssignment#page41.tif source=ExecutedAssignment#page42.tif source=ExecutedAssignment#page43.tif source=ExecutedAssignment#page44.tif source=ExecutedAssignment#page45.tif source=ExecutedAssignment#page46.tif source=ExecutedAssignment#page47.tif source=ExecutedAssignment#page48.tif source=ExecutedAssignment#page49.tif



ASSIGNMENT

Serial No.: Serial No.: 12/922,802

PCT/US09/37084

Filed:

September 15, 2010

Filed:

March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELDING FOR PATIENT AND NON-PATIENT ENDS

for which they have executed a Declaration for an application for Letters Patent of the United States of America; and

WHEREAS, BECTON, DICKINSON AND COMPANY, a corporation of New Jersey (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein.

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignors' employment by Assignee at the time the invention was made, and other valuable considerations to them, the receipt and sufficiency of which are hereby acknowledged, Assignors have assigned, and transferred, and do hereby assign, and transfer unto said Assignee the entire right, title, and interest in and to all said inventions and discoveries disclosed in said applications, whose identification above by serial numbers and filing dates, when available, is hereby authorized, and in and to said applications, all substitutions, divisions, provisionals, conversions of provisionals and continuations or continuations-in-part, thereof, and in and to all Letters Patents, 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 this Assignment and sale had not been made; and

1

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

For the consideration aforesaid, Assignors covenant and agree with said Assignee that they have 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 of the inventions and discoveries or that may be necessary to vest in Assignee the complete title to the inventions and discoveries and patents hereby conveyed and to enable it to record title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals on the date subscribed below.

DATE: 10 Jan 2011

STATE OF New Terry COUNTY OF Passace

BE IT REMEMBERED, that on this 10 th day of January before me, a Notary Public, personally appeared TIEMING RUAN, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, I and having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Ivotary Public
My Commission Expires: 1/24/2013

IN TESTIMO the date subscribed be		OF, Assignors ha	ve hereunto set th	ieir hands a	nd seals or
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		STEP	HEN RICHARDS	2	
*** \$1 \$2					•.
		DATE	!• !		
	e'	S			
STATE OF)			8
COUNTY OF					y
BE IT REM	EMBERED, th	at on this	day of		, 2011,
before me, a Notary P the person named in a	ublic, personall	y appeared STE	PHEN RICHARI)S , who I am	ı satisfied is
first made known to i sealed, and delivered	him/her the con	tents thereof, he	/she did acknowle	dge that he	/she signed,
therein expressed.					- ·
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the date subscribed	l below.			
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	×		ELIOT ZAIKEN	
	s.		*	
	€		DATE:	
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STATE OF				>
COUNTY OF	-5		*	v.
BE IT RE	EMEMBERED, t	hat on t	his day of	, 2011
before me, a Notar person named in a made known to him and delivered the	ry Public, person nd who executed 1/her the contents	ally appo the foreg thereof,	eàred ELIOT ZAIKEN, roing instrument in my pr he/she did acknowledge t	who I am satisfied is the esence, I and having first hat he/she signed, sealed, ses and purposes therein
expressed.	Ÿ		e e	*
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IN TESTIMONY WHEREOF, Assignor has hereunto set his hands and seals on the date subscribed below.

	CRAIG NEWMAN	······································
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	DATE:	
STATE OF		ý
COUNTY OF	SS:	3
person named in and who exemade known to him/her the co	RED, that on this day of personally appeared CRAIG NEWMAN, who ecuted the foregoing instrument in my presen- ontents thereof, he/she did acknowledge that is is/her voluntary act and deed for the uses	ice, I and having first he/she signed, sealed,
person named in and who exe made known to him/her the co and delivered the same as h	ecuted the foregoing instrument in my presen ontents thereof, he/she did acknowledge that i	ice, I and having fi he/she signed, seale
	Notary Public	

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IN TESTIMONY WHEREO the date subscribed below.	F, Assignor has i	hereunto set his h	ands and se	als on
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en 1998 en 1996 en 19 De la companyación de la companyac				6
v .	VADI	M GOYKHMAN		
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	DATE	Siinnaani		
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STATE OF				+4
COUNTY OF	ss: 	, ,		
BE IT REMEMBERED, th	nat on this	day of	ŵ,	, 2011,
before me, a Notary Public, personal person named in and who executed to made known to him/her the contents and delivered the same as his/her vexpressed.	ly appeared VA D he foregoing inst thereof, he/she di	IM GOYKHAM, rument in my pre d acknowledge th	who I am si sence, I and at he/she si	atisfied is the I having first gned, sealed,
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v ,	Notan	Public		
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			JOSEPH	ALU	·····	,
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			DATE:			
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STATE OF)				•
COUNTY OF		ss:)				
BE IT REM	<i>IEMBERED</i>). that on th	is	day of		, 2011,
before me, a Notary	Public, per	sonally app	eared JOSE	EPH ALU	I, who I am	satisfied is the
person named in and						
made known to him/h and delivered the sa						
expressed.	,			J	1	
·	æ	₹ .i	•	4€	¥*	
				**	1	
	v		Notary Pu	ıblic	*	je.
			My Comm	iission Ex	pires:	

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Notary Public

My Commission Expires:

ASSIGNMENT

Serial No.: 1

Serial No.:

12/922.802

PCT/US09/37084

Filed:

September 15, 2010

Filed:

March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELDING FOR PATIENT AND NON-PATIENT ENDS

for which they have executed a Declaration for an application for Letters Patent of the United States of America; and

WHEREAS, BECTON, DICKINSON AND COMPANY, a corporation of New Jersey (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein.

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignors' employment by Assignee at the time the invention was made, and other valuable considerations to them, the receipt and sufficiency of which are hereby acknowledged, Assignors have assigned, and transferred, and do hereby assign, and transfer unto said Assignee the entire right, title, and interest in and to all said inventions and discoveries disclosed in said applications, whose identification above by serial numbers and filing dates, when available, is hereby authorized, and in and to said applications, all substitutions, divisions, provisionals, conversions of provisionals and continuations or continuations-in-part, thereof, and in and to all Letters Patents, 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 this Assignment and sale had not been made; and

1

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

For the consideration aforesaid, Assignors covenant and agree with said Assignee that they have 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 of the inventions and discoveries or that may be necessary to vest in Assignee the complete title to the inventions and discoveries and patents hereby conveyed and to enable it to record title.

IN TESTIMONY WHEREOF, Assi the date subscribed below.	gnors have hereunto set their hand	s and seals on
	TIEMING RUAN	···
	DATE:	•
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on the before me, a Notary Public, personally apper person named in and who executed the foregoing made known to him/her the contents thereof, and delivered the same as his/her voluntary expressed.	ared TIEMING RUAN , who I am oing instrument in my presence, I a he/she did acknowledge that he/she	satisfied is the nd having first signed, sealed,
	Notary Public My Commission Expires:	

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals on the date subscribed below.

STEPHEN RICHARDS

DATE: 19 APR 11

STATE OF MONASMA STATE OF MONASMA SS:

Notary Public

My Commission Expires: 7-10-2011

A GENERAL NOTARY - State of Nebraska
HEIDI TRAUTMAN
MY Comm. Exp. July 10, 2011

IN TESTIMONY WHEREOF, Assign the date subscribed below.	nor has hereunto set his hands and seals on
	ELIOT ZAIKEN
	DATE:
STATE OF	
	is day of, 2011, ared ELIOT ZAIKEN , who I am satisfied is the
person named in and who executed the foregomade known to him/her the contents thereof, h	oing instrument in my presence, I and having first ne/she did acknowledge that he/she signed, sealed, act and deed for the uses and purposes therein
	Notary Public
	My Commission Expires:

IN TESTIMONY V the date subscribed below.	HEREOF, Assignor has hereunto set his hands	and seals on
	CRAIG NEWMAN	
	DATE:	
STATE OF		
COUNTY OF	ss:)	
before me, a Notary Public, person named in and who e made known to him/her the	PRED, that on this day of personally appeared CRAIG NEWMAN, who executed the foregoing instrument in my presence contents thereof, he/she did acknowledge that he his/her voluntary act and deed for the uses as	I am satisfied is the e, I and having first e/she signed, sealed,
	Notary Public My Commission Expires:	

IN TESTIMONY WHEREOF, Assisthe date subscribed below.	ignor <mark>has</mark> hereunto set his hands and s	eals on
	VADIM GOYKHMAN	
	DATE:	
	LINE Loc	•
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on before me, a Notary Public, personally apperent person named in and who executed the fore made known to him/her the contents thereof and delivered the same as his/her voluntary expressed.	going instrument in my presence, I ar f, he/she did acknowledge that he/she s	satisfied is the ad having first signed, sealed,
	Notary Dublic	
	Notary Public My Commission Expires:	

	N TESTIMONY WHEREOF, Assignor has hereunto set his hands and seals on abscribed below.
	JOSEPH ALU
	DATE:
STATE OF	7
COUNTY	OF)
before me person na made know	E IT REMEMBERED, that on this day of, 2011, a Notary Public, personally appeared JOSEPH ALU, who I am satisfied is the med in and who executed the foregoing instrument in my presence, I and having first wn to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, ered the same as his/her voluntary act and deed for the uses and purposes therein
	Notary Public
	My Commission Expires:

IN TESTIMONY WHEREOF, Assist the date subscribed below.	gnor has hereunto set his hands and seals on
	MICHAEL VINCENT QUINN
	DATE:
STATE OF	
COUNTY OF	
before me, a Notary Public, personally app satisfied is the person named in and who ex and having first made known to him/her the	his day of, 2011, eared MICHAEL VINCENT QUINN, who I am secuted the foregoing instrument in my presence, I he contents thereof, he/she did acknowledge that e as his/her voluntary act and deed for the uses and
	Notary Public My Commission Expires:

ASSIGNMENT

Serial No.: Serial No.: 12/922,802

PCT/US09/37084

Filed:

September 15, 2010

Filed:

March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELDING FOR PATIENT AND NON-PATIENT ENDS

for which they have executed a Declaration for an application for Letters Patent of the United States of America; and

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For the consideration aforesaid, Assignors covenant and agree with said Assignee that they have 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 of the inventions and discoveries or that may be necessary to vest in Assignee the complete title to the inventions and discoveries and patents hereby conveyed and to enable it to record title.

IN TESTIMONY WHEREOF, Assi the date subscribed below.	gnors have hereunto set their hands	and seals on
	TIEMING RUAN	
	D.A. (ETC.)	
	DATE:	
STATE OF)		
COUNTY OF	·	
BE IT REMEMBERED, that on the before me, a Notary Public, personally apper person named in and who executed the foreg made known to him/her the contents thereof, and delivered the same as his/her voluntary expressed.	oing instrument in my presence, I and he/she did acknowledge that he/she si	itisfied is the laving first gned, sealed,
	Notary Public My Commission Expires:	

IN TESTIMO the date subscribed be		Assignors have hereunto set their h	ands and seals on
		STEPHEN RICHARDS	
		DATE:	
STATE OF)	
COUNTY OF		ss:)	
before me, a Notary P the person named in a first made known to b	ublic, personally a and who executed him/her the conten	on this day of ppeared STEPHEN RICHARDS , wh the foregoing instrument in my prese ts thereof, he/she did acknowledge t ner voluntary act and deed for the t	ho I am satisfied is ence, I and having hat he/she signed,
		Notary Public My Commission Expires:	

the date subscribed below.	OF, Assignor has hereunto set his hands and seals on
	ELIOT ZAIKEN
	DATE: 1/13/1/
STATE OF GEORGIA	
COUNTY OF NEWDN	ss:)
before me, a Notary Public, person person named in and who executed made known to him/her the contents	that on this 13 ^H day of JANUALY, 2011, nally appeared ELIOT ZAIKEN, who I am satisfied is the the foregoing instrument in my presence, I and having first thereof, he/she did acknowledge that he/she signed, sealed, voluntary act and deed for the uses and purposes therein
before me, a Notary Public, person person named in and who executed made known to him/her the contents and delivered the same as his/her	nally appeared ELIOT ZAIKEN, who I am satisfied is the the foregoing instrument in my presence, I and having first thereof, he/she did acknowledge that he/she signed, sealed,
before me, a Notary Public, person person named in and who executed made known to him/her the contents and delivered the same as his/her	nally appeared ELIOT ZAIKEN, who I am satisfied is the the foregoing instrument in my presence, I and having first thereof, he/she did acknowledge that he/she signed, sealed,
before me, a Notary Public, person person named in and who executed made known to him/her the contents and delivered the same as his/her	nally appeared ELIOT ZAIKEN, who I am satisfied is the the foregoing instrument in my presence, I and having first thereof, he/she did acknowledge that he/she signed, sealed, voluntary act and deed for the uses and purposes therein Notary Public
before me, a Notary Public, person person named in and who executed made known to him/her the contents	the foregoing instrument in my presence, I and having first the the foregoing instrument in my presence, I and having first thereof, he/she did acknowledge that he/she signed, sealed, voluntary act and deed for the uses and purposes therein

IN TESTIMONY the date subscribed below	WHEREOF, Assign	or has here	unto set his han	ds and seals or	ı
		CRAIG N	EWMAN	3	
	4				
		DATE:			
STATE OF	`		•		
71111701					
COUNTY OF)				
BE IT DEMEM	BERED, that on this	g	day of		2011
before me, a Notary Publi	c, personally appear	ed CRAIG	NEWMAN, wh	ho I am satisfie	ed is the
person named in and who	executed the foregoi	ing instrum	ent in my prese	nce, I and hav	ing first
made known to him/her th					
and delivered the same a expressed.	s nis/ner voluntary d	act ana aee	ea for the uses	ana purposes	inerein
cupresseur					
		Notary Pu	hlic	 ,	
		•	ission Expires:		
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		4.	VADIM GOYKHMAN	
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			DATE:	· · · · · · · · · · · · · · · · · · ·
STATE OF)		
COUNTY OF)		
before me, a Notar person named in a made known to hir	ry Public, per and who exec n/her the con	sonally appea uted the foreg tents thereof,	his day of red VADIM GOYKHAM , who I oing instrument in my presence, he/she did acknowledge that he/ o act and deed for the uses and	am satisfied is the I and having first she signed, sealed,

IN TESTIMONY WI the date subscribed below.	EREOF, Assignor has hereunto set his hands and sea	ls on
	JOSEPH ALU	
	DATE:	
STATE OF		
COUNTY OF		÷
before me, a Notary Public, person named in and who exemade known to him/her the co	ED, that on this day of personally appeared JOSEPH ALU, who I am sati cuted the foregoing instrument in my presence, I and ntents thereof, he/she did acknowledge that he/she sign s/her voluntary act and deed for the uses and purpo	sfied is the having first ned, sealed,

		MICHAEL VINCENT QUINN	
e e e e e e e e e e e e e e e e e e e			
		DATE:	·····
STATE OF	SS:		
COUNTY OF			
before me, a Notary I satisfied is the person and having first made	Public, personally app named in and who ex e known to him/her th and delivered the same	his day of eared MICHAEL VINCENT QUI ecuted the foregoing instrument in he contents thereof, he/she did ac as his/her voluntary act and deed	INN, who I am my presence, I knowledge that
		Notary Public	
		My Commission Expires:	

ASSIGNMENT

Serial No.: Serial No.: 12/922.802

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Filed:

September 15, 2010

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March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

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NOW, THEREFORE, BE IT KNOWN that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignors' employment by Assignee at the time the invention was made, and other valuable considerations to them, the receipt and sufficiency of which are hereby acknowledged, Assignors have assigned, and transferred, and do hereby assign, and transfer unto said Assignee the entire right, title, and interest in and to all said inventions and discoveries disclosed in said applications, whose identification above by serial numbers and filing dates, when available, is hereby authorized, and in and to said applications, all substitutions, divisions, provisionals, conversions of provisionals and continuations or continuations-in-part, thereof, and in and to all Letters Patents, 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 this Assignment and sale had not been made; and

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

For the consideration aforesaid, Assignors covenant and agree with said Assignee that they have 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 of the inventions and discoveries or that may be necessary to vest in Assignee the complete title to the inventions and discoveries and patents hereby conveyed and to enable it to record title.

IN TESTIMONY WHEREOF, the date subscribed below.	Assignors have hereunto set their hand	ds and seals on
	TIEMING RUAN	
	DATE:	·····
STATE OF) ss:	
COUNTY OF)	
BE IT REMEMBERED, that before me, a Notary Public, personally person named in and who executed the made known to him/her the contents the and delivered the same as his/her voluexpressed.	foregoing instrument in my presence, I re reof, he/she did acknowledge that he/she	n satisfied is the and having first e signed, sealed,
	Notary Public My Commission Expires:	

IN TESTIMONY WHEREOF, Assign the date subscribed below.	gnors have hereunto set their hands	and seals on
	STEPHEN RICHARDS	
	DATE:	•
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on the before me, a Notary Public, personally appearance the person named in and who executed the following the known to him/her the contents the sealed, and delivered the same as his/her votherein expressed.	red STEPHEN RICHARDS , who I coregoing instrument in my presence, ereof, he/she did acknowledge that it	am satisfied is , I and having he/she signed,
	Notary Public My Commission Expires:	

IN TESTIMONY WHEREOF, Assig the date subscribed below.	nor has hereunto set his hands and seals on
	ELIOT ZAIKEN
	DATE:
STATE OF	
COUNTY OF)	
before me, a Notary Public, personally apper person named in and who executed the foregomede known to him/her the contents thereof, it	tis day of, 2011, eared ELIOT ZAIKEN , who I am satisfied is the oing instrument in my presence, I and having first he/she did acknowledge that he/she signed, sealed, act and deed for the uses and purposes therein
	Notary Public My Commission Expires:

IN TESTIMONY WHEREOF, Assignor has hereunto set his hands and seals on the date subscribed below.

CRAIG NEWMAN

DATE: 1/a1/11

STATE OF LEW GENSES SS:

Notary Public

My Comprise ion Exploses:

NO DARY PARIS CIT WEST SERVEY

Convenience Serving TAVACATES

Consulation Equies 10/24/2013

IN TESTIMONY WHE the date subscribed below.	REOF, Assignor has hereunto set his hands	s and seals on
	VADIM GOYKHMAN	
	DATE:	
STATE OF)	
COUNTY OF		
before me, a Notary Public, pers person named in and who execu made known to him/her the cont	D, that on this day ofsonally appeared VADIM GOYKHAM, who need the foregoing instrument in my present ents thereof, he/she did acknowledge that he her voluntary act and deed for the uses a	o I am satisfied is the ce, I and having first ve/she signed, sealed,
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHEREOF, Assign the date subscribed below.	gnor has hereunto set his hands and seals on
	JOSEPH ALU
	DATE:
STATE OF	
COUNTY OF	
before me, a Notary Public, personally appression named in and who executed the foreg made known to him/her the contents thereof,	his day of 2011, peared JOSEPH ALU , who I am satisfied is the going instrument in my presence, I and having first he/she did acknowledge that he/she signed, sealed, act and deed for the uses and purposes therein
	Notary Public
	My Commission Expires:

IN TESTIMONY WHE the date subscribed below.	EREOF, Assignor has hereunto set his hands and	seals on
	MICHAEL VINCENT QUINN	~~
	DATE:	*****
STATE OF		
COUNTY OF	ss:)	
before me, a Notary Public, pe satisfied is the person named in and having first made known	ED, that on this day ofersonally appeared MICHAEL VINCENT QUINT and who executed the foregoing instrument in to him/her the contents thereof, he/she did accepted the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same as his/her voluntary act and deed for the same act and deed fo	NN, who I am my presence, I knowledge that
	Notary Public	
	My Commission Expires:	

<u>ASSIGNMENT</u>

Serial No.: Serial No.: 12/922.802

PCT/US09/37084

Filed:

September 15, 2010

Filed:

March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELDING FOR PATIENT AND NON-PATIENT ENDS

for which they have executed a Declaration for an application for Letters Patent of the United States of America; and

WHEREAS, BECTON, DICKINSON AND COMPANY, a corporation of New Jersey (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein.

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignors' employment by Assignee at the time the invention was made, and other valuable considerations to them, the receipt and sufficiency of which are hereby acknowledged, Assignors have assigned, and transferred, and do hereby assign, and transfer unto said Assignee the entire right, title, and interest in and to all said inventions and discoveries disclosed in said applications, whose identification above by serial numbers and filing dates, when available, is hereby authorized, and in and to said applications, all substitutions, divisions, provisionals, conversions of provisionals and continuations or continuations-in-part, thereof, and in and to all Letters Patents, 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 this Assignment and sale had not been made; and

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

For the consideration aforesaid, Assignors covenant and agree with said Assignee that they have 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 of the inventions and discoveries or that may be necessary to vest in Assignee the complete title to the inventions and discoveries and patents hereby conveyed and to enable it to record title.

IN TESTIMONY WHEREOF, Assign the date subscribed below.	nors have hereunto set their hands	and seals on
	TIEMING RUAN	
	DATE:	
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on the before me, a Notary Public, personally appear person named in and who executed the forego made known to him/her the contents thereof, he and delivered the same as his/her voluntary expressed.	ared TIEMING RUAN , who I am so ping instrument in my presence, I an ne/she did acknowledge that he/she so	atisfied is the d having first igned, sealed,
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHEREOF, Assig the date subscribed below.	nors have hereunto set their hands	and seals on
	STEPHEN RICHARDS	
	DATE:	÷
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on this before me, a Notary Public, personally appear the person named in and who executed the fostirst made known to him/her the contents the sealed, and delivered the same as his/her votherein expressed.	ed STEPHEN RICHARDS , who I dress regoing instrument in my presence, reof, he/she did acknowledge that it	am satisfied is I and having he/she signed,
	Notary Public My Commission Expires:	

IN TESTIMONY WHERE the date subscribed below.	OF , Assignor has hereunto set his hands and	seals on
	ELIOT ZAIKEN	uu.
	DATE:	
STATE OF		
COUNTY OF		
before me, a Notary Public, person person named in and who executed made known to him/her the contents	that on this day of nally appeared ELIOT ZAIKEN , who I am I the foregoing instrument in my presence, I is s thereof, he/she did acknowledge that he/she voluntary act and deed for the uses and p	satisfied is the and having first signed, sealed,
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHEREOF, a the date subscribed below.	Assignor has hereunto set his hands and seals on	
	CRAIG NEWMAN	
	DATE:	
STATE OF) 's:	
COUNTY OF		
before me, a Notary Public, personally of person named in and who executed the made known to him/her the contents then	on this day of appeared CRAIG NEWMAN , who I am satisfied foregoing instrument in my presence, I and having reof, he/she did acknowledge that he/she signed, so intary act and deed for the uses and purposes th	is the g first ealed,
	Notary Public My Commission Expires:	

Patent P-8222/2 (102-667B PCT/US)

IN TESTIMONY WHEREOF, Assignor has hereunto set his hands and seals on the date subscribed below.

DATE: 10 Jan 2011

STATE OF New Jersey COUNTY OF Passaic

60 YKHMAN (Illo)11-

BE IT REMEMBERED, that on this 10th day of January before me, a Notary Public, personally appeared VADIM GOYKHAM, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, I and having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public
My Commission Expires: 1 24 12013

IN TESTIMONY We the date subscribed below.	VHEREOF , Assignor has hereunto set his hands and se	eals on
	JOSEPH ALU	÷
	DATE:	
STATE OF		
COUNTY OF		
before me, a Notary Public person named in and who e made known to him/her the	ERED, that on this day of ic, personally appeared JOSEPH ALU, who I am so executed the foregoing instrument in my presence, I an contents thereof, he/she did acknowledge that he/she s his/her voluntary act and deed for the uses and pur	atisfied is the id having first igned, sealed,
	Notary Public My Commission Expires:	

IN TESTIMONY W the date subscribed below.	HEREOF, Assignor has hereunto set his hands	and seals on
	MICHAEL VINCENT QUI	
	DATE:	
STATE OF		
COUNTY OF	ss:)	
before me, a Notary Public satisfied is the person name and having first made know	RED, that on this day of personally appeared MICHAEL VINCENT I in and who executed the foregoing instrument on to him/her the contents thereof, he/she did livered the same as his/her voluntary act and de-	QUINN , who I am nt in my presence, I d acknowledge that
	Notary Public My Commission Expires:	

ASSIGNMENT

Serial No.: Serial No.: 12/922,802

PCT/US09/37084

Filed:

September 15, 2010

Filed:

March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELDING FOR PATIENT AND NON-PATIENT ENDS

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the date subscribed below.	signors have hereunto set their hands and seals o
	TIEMING RUAN
	DATE:
STATE OF	
RE IT DEMEMBERED that on	this day of 201
before me, a Notary Public, personally app person named in and who executed the fore made known to him/her the contents thereof,	this day of, 201. beared TIEMING RUAN, who I am satisfied is the going instrument in my presence, I and having fir. I he/she did acknowledge that he/she signed, sealed by act and deed for the uses and purposes therein
	Notary Public My Commission Expires:

	STEPHEN RICHARDS
	DATE:
STATE OF	
COUNTY OF)	
before me, a Notary Public, personally appear	red STEPHEN RICHARDS , who I am satisfied is oregoing instrument in my presence, I and having
first made known to him/her the contents the	ereof, he/she did acknowledge that he/she signed, oluntary act and deed for the uses and purposes
first made known to him/her the contents the sealed, and delivered the same as his/her vo	•

IN TESTIMONY WHEREOF, Assign the date subscribed below.	nor has hereunto set his hands and seals on
	ELIOT ZAIKEN
	DATE:
STATE OF	
COUNTY OF)	
before me, a Notary Public, personally appears person named in and who executed the foregomade known to him/her the contents thereof, h	is, 2011, ared ELIOT ZAIKEN, who I am satisfied is the bing instrument in my presence, I and having first we/she did acknowledge that he/she signed, sealed, act and deed for the uses and purposes therein
	Notary Public My Commission Expires:

IN TESTIMONY WHEREOF, Assign the date subscribed below.	or has hereunto set his hands and seals on
	:
	CRAIG NEWMAN
	DATE:
STATE OF	
COUNTY OF	•
COUNTION	
before me, a Notary Public, personally appearance person named in and who executed the foregomade known to him/her the contents thereof, h	is day of, 2011, red CRAIG NEWMAN , who I am satisfied is the ing instrument in my presence, I and having first e/she did acknowledge that he/she signed, sealed, act and deed for the uses and purposes therein
	Notani Dikis
	Notary Public My Commission Expires:

IN TESTIMONY WHEREOF, Assign the date subscribed below.	nor has hereunto set his hands and sec	als on
	VADIM GOYKHMAN	
	DATE:	•
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on the before me, a Notary Public, personally appear person named in and who executed the forego made known to him/her the contents thereof, h and delivered the same as his/her voluntary expressed.	ed VADIM GOYKHAM , who I am so ing instrument in my presence, I and e/she did acknowledge that he/she sig	itisfied is the l having first gned, sealed,
	· · · · · · · · · · · · · · · · · · ·	
	Notary Public My Commission Expires:	

IN TESTIMONY WHEREOF, Assignor has hereunto set his hands and seals on the date subscribed below.
JØSEPH ALU
DATE: 21, 2011
STATE OF New Jensey SS: 154-50-0652 COUNTY OF Bonger
BE IT REMEMBERED, that on this 26 day of March 2011, before me, a Notary Public, personally appeared JOSEPH ALU, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, I and having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.
Notary Public My Commission Expires: 3/25/2014
MARY ELLEN BLAKE NOTARY PUBLIC STATE OF NEW JERSEY NY CONNISSION EXPIRES MARCH 25, 2014

8

IN TESTIMONY WHEREOF, Assign the date subscribed below.	or has hereunto set his hands ar	nd seals on
	MICHAEL VINCENT QUIN	N
		e e e e e e e e e e e e e e e e e e e
	DATE:	
STATE OF		
COUNTY OF		
BE IT REMEMBERED, that on the before me, a Notary Public, personally appearatisfied is the person named in and who exe and having first made known to him/her the he/she signed, sealed, and delivered the same purposes therein expressed.	ared MICHAEL VINCENT Q cuted the foregoing instrument e contents thereof, he/she did	UINN, who I am in my presence, I acknowledge that
	Notary Public My Commission Expires:	Sc

ASSIGNMENT

Serial No.: 12/922,802

Serial No.:

PCT/US09/37084

Filed:

September 15, 2010

Filed: March 13, 2009

WHEREAS, TIEMING RUAN, residing at 10 Arrowgate Drive, Randolph, NJ 07869, a citizen of the People's Republic of China; STEPHEN RICHARDS, residing at 902 West Avenue, Holdrege, NE 68949, a citizen of the United States of America; ELIOT ZAIKEN, residing at 115 Harvey Avenue, Covington, GA 30016, a citizen of the United States of America; CRAIG NEWMAN, residing at 132 Woodland Road, Montvale, NJ 07645, a citizen of the United States of America; VADIM GOYKHMAN, residing at 20441 NE 30 Avenue, Unit 416, Aventura, FL 33180, a citizen of the United States of America; JOSEPH ALU, residing at 44 Monhegon Avenue, Oakland, NJ 07436, a citizen of the United States of America; and MICHAEL VINCENT QUINN, residing at 42 Tiffany Drive, East Hanover, NJ, 07936, a citizen of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELDING FOR PATIENT AND NON-PATIENT ENDS

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IN TESTIMONY WHEREOF, Assi the date subscribed below.	gnors have hereunto set their hands	and seals on
	TIEMING RUAN	
	DATE:	e.
STATE OF		
BE IT REMEMBERED, that on the		
before me, a Notary Public, personally apper person named in and who executed the foreg made known to him/her the contents thereof, and delivered the same as his/her voluntary expressed.	oing instrument in my presence, I an he/she did acknowledge that he/she s	nd having first rigned, sealed,
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHEREOF the date subscribed below.	, Assignors have hereunto set their har	ıds and seals on
	STEPHEN RICHARDS	
	DATE:	
STATE OF	,) ss:	
COUNTY OF) 	
BE IT REMEMBERED, that before me, a Notary Public, personally the person named in and who executed first made known to him/her the contest sealed, and delivered the same as his therein expressed.	l the foregoing instrument in my presen nts thereof, he/she did acknowledge the	o I am satisfied is ace, I and having at he/she signed,
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHEREOF, the date subscribed below.	Assignor has hereunto set his hands and	seals on
	ELIOT ZAIKEN	
	DATE:	··········
STATE OF) 35:	
	on this day of appeared ELIOT ZAIKEN, who I am	, 2011,
person named in and who executed the made known to him/her the contents there and delivered the same as his/her volu expressed.	foregoing instrument in my presence, I c reof, he/she did acknowledge that he/she	and having first e signed, sealed,
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHEREOF, Ass the date subscribed below.	ignor has hereunto set his hands and s	seals on
	CRAIG NEWMAN	•••
	DATE:	
STATE OF		
SS:		
COUNTY OF		
BE IT REMEMBERED, that on	this day of	
before me, a Notary Public, personally app	peared CRAIG NEWMAN, who I am	satisfied is the
person named in and who executed the formade known to him/her the contents thereog	egoing instrument in my presence, 1 a f_he/she did acknowledge that he/she	na naving jirsi signed. sealed.
and delivered the same as his/her volunta expressed.		
скрі свяси.		
	Notary Public	
	My Commission Expires:	

IN TESTIMONY WHER the date subscribed below.	EOF, Assignor has	hereunto set his hands an	d seals on
		M GOYKHMAN	
	, , ,		
	DATE	<u>7:</u>	
STATE OF			
COUNTY OF	ss:)		
BE IT REMEMBERED, before me, a Notary Public, person person named in and who execute made known to him/her the content and delivered the same as his/he expressed.	nally appeared VAL ed the foregoing ins ats thereof, he/she d	DIM GOYKHAM , who I a trument in my presence, I id acknowledge that he/sh	um satisfied is the I and having first he signed, sealed,
	Notar	n Dublic	
		y Public ommission Expires:	

IN TESTIMONY WHE.	REOF , Assignor has hereunto se	t his hands and seals on
me date subscribed below.		
	JOSEPH ALU	
	DATE:	
STATE OF)	
COUNTY OF	ss:	
BE IT REMEMBERED	D, that on this day of	<i>f</i> 2011,
before me, a Notary Public, pe person named in and who execu	V 4.4	· ·
made known to him/her the conte		
and delivered the same as his/hexpressed.	ner voluntary act and deed for t	he uses and purposes therein
	M D 11'	
	Notary Public My Commission I	Expires:
	•	•

IN TESTIMONY WHEREOF, Assignor has hereunto set his hands and seals on the date subscribed below.

MICHAEL VINCENT QUINN

DATE: 1-10-2011

COUNTY OF Maris

BE IT REMEMBERED, that on this /o day of January , 2011, before me, a Notary Public, personally appeared MICHAEL VINCENT QUINN, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, I and having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

My Commission Expires

CHERYL L. CASTIGLIA
A Notary Public of New Jersey
My Commission Expires August 25, 2014

RECORDED: 05/04/2011