Mallinckrodt plc Form SC 13G January 30, 2014

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No.) *

Mallinckrodt PLC

(Name of Issuer)

Common Stock

(Title of Class of Securities)

G5785G107

(CUSIP Number)

December 31, 2013

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1(b)
- [_] Rule 13d-1(c)
- [_] Rule 13d-1(d)
- * The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Page 1 of 18

CUSIP No	o. G5785	5G1	07 13G	
1 NAMI	E OF REPO	ORT:	ING PERSON	
Art	tisan Par	rtne	ers Limited Partnership	
	CK THE AE e Instruc		OPRIATE BOX IF A MEMBER OF A GROUP	[_]
Not	t Applica	able	e 	
3 SEC	USE ONLY	ď		
	IZENSHIP laware	OR	PLACE OF ORGANIZATION	
		5	SOLE VOTING POWER	
NUMBER			None	
	IALLY	6	SHARED VOTING POWER	
OWNED EACI	H		4,041,456	
REPORTING PERSON WITH	ON	7	SOLE DISPOSITIVE POWER	
	1		None	
		8	SHARED DISPOSITIVE POWER	
			4,302,734	
9 AGGI	REGATE AN	40UI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
4,3	302,734			
	CK BOX II e Instruc		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	[_]
Not	t Applica	able	e 	
11 PER	CENT OF (CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)	
7.	4% 			
	E OF REPO		ING PERSON ons)	
IA				

Page 2 of 18

1 NAI	ME OF REPO	ORT:	ING PERSON		
A	rtisan In		tments GP LLC		
		PPR	OPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	
N	ot Applica	abl	e 		
3 SE	C USE ONLY	Y			
4 CI	TIZENSHIP	OR	PLACE OF ORGANIZATION		
D	elaware				
		5	SOLE VOTING POWER		
	R OF		None		
		6	SHARED VOTING POWER		
EA	СН		4,041,456		
PER	ORTING ERSON WITH	7	SOLE DISPOSITIVE POWER		
WI			None		
		8	SHARED DISPOSITIVE POWER		
			4,302,734		
9 AG	GREGATE AM	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
4	,302,734				
	ECK BOX II ee Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
N	ot Applica	able	e		
11 PE	RCENT OF	CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
7	.4%				
		ORT:	ING PERSON		
H					
			Page 3 of 18		
CUSIP	No. G578!	5G1(07 13G		

1 NAME OF REPORTING PERSON

Artisan Pa	rtners Holdings LP	
2 CHECK THE Al	PPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [_] (b) [_]
Not Applica	able	
3 SEC USE ONL	Y	
4 CITIZENSHIP	OR PLACE OF ORGANIZATION	
Delaware		
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER	
EACH REPORTING	4,041,456	
PERSON WITH	7 SOLE DISPOSITIVE POWER	
WIII	None	
	8 SHARED DISPOSITIVE POWER	
	4,302,734	
9 AGGREGATE AI	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
4,302,734		
10 CHECK BOX II	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions)	[_]
Not Applica	able	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
7.4%		
12 TYPE OF REPO	ORTING PERSON ctions)	
НС		
	Page 4 of 18	
CUSIP No. G578	5G107 13G	

1 NAME OF REPORTING PERSON

Artisan Partners Asset Management Inc.

	E APPROPRIATE BOX IF A MEMBER OF A GROUP tructions)	(a)	 [_]
(300 1110	0240020110,		[_]
Not App	licable		
3 SEC USE	ONLY		
4 CITIZENS	HIP OR PLACE OF ORGANIZATION		
Delawar	е		
	5 SOLE VOTING POWER		
NUMBER OF	None		
SHARES BENEFICIALLY	6 SHARED VOTING POWER		
OWNED BY EACH	4,041,456		
	7 SOLE DISPOSITIVE POWER		
WITH	None		
	8 SHARED DISPOSITIVE POWER		
	4,302,734		
9 AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
4,302,7	34		
	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES tructions)		[_]
Not App	licable		
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
7.4%			
	REPORTING PERSON tructions)		
НС			
	Page 5 of 18		
	rage 5 or 10		
CUSIP No. G	5785G107 13G		
1 NAME OF			
	Investment Corporation		
	E APPROPRIATE BOX IF A MEMBER OF A GROUP		

	(see Instru	cti	ons)	(a) [(b) [_] _]
	Not Applic	abl	e		
3	SEC USE ONL	 Y			
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION		
	Wisconsin				
		5	SOLE VOTING POWER		
	MBER OF		None		
BEN		6	SHARED VOTING POWER		_
	WNED BY EACH		4,041,456		
		7	SOLE DISPOSITIVE POWER		_
	WITH		None		
		8	SHARED DISPOSITIVE POWER		_
			4,302,734		
10	4,302,734 CHECK BOX II (see Instru-	cti			_]
11	PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	7.4%				· _ -
12	TYPE OF REPO				
	HC				
			Page 6 of 18		
CUS	IP No. G578	5G1	07 13G		
1	NAME OF REP	ORT	ING PERSON		
	ZFIC, Inc.				
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP	(a) [_]

Not Applica	able	9		
3 SEC USE ONL	Υ			
4 CITIZENSHIP	OR	PLACE OF ORGANIZATION		
Wisconsin				
	5	SOLE VOTING POWER		
NUMBER OF		None		
	6	SHARED VOTING POWER		
OWNED BY EACH		4,041,456		
REPORTING PERSON	7	SOLE DISPOSITIVE POWER		
WITH		None		
	8	SHARED DISPOSITIVE POWER		
		4,302,734		
9 AGGREGATE AI	 IUOM	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
4,302,734				
10 CHECK BOX II		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
Not Applica	able	9		
11 PERCENT OF (CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
7.4%				
12 TYPE OF REPO				
НС				
		Page 7 of 18		
		rage / OI 10		
CUSIP No. G578	5G1(07 13G		
1 NAME OF REP	ORT:	ING PERSON		
Andrew A.	Zie	gler		
2 CHECK THE Al		DPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[_]

Not Applicable

3	SEC USE ONL			
4	CITIZENSHIP	OR PLACE OF ORGANIZATION		
	U.S.A.			
		5 SOLE VOTING POWER		
	MBER OF	None		
BEN		6 SHARED VOTING POWER		
	WNED BY EACH	4,041,456		
	PORTING PERSON	7 SOLE DISPOSITIVE POWER		
	WITH	None		
		8 SHARED DISPOSITIVE POWER		
		4,302,734		
9	AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	4,302,734			
10	CHECK BOX I	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
	Not Applic	cable		
11	PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	7.4%			
12	TYPE OF REP	PORTING PERSON actions)		
	IN			
		Page 8 of 18		
CUS	IP No. G578	25G107 13G		
1	NAME OF REP	PORTING PERSON		
	Carlene M.			
2	CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[_] [_]
	Not Applic	cable 		
2	SEC HSE ONI	v		

4 CITIZE	NSHIP OR PLACE OF ORGANIZATION
U.S.A	
	5 SOLE VOTING POWER
NUMBER OF	None
SHARES BENEFICIAL	LY 6 SHARED VOTING POWER
OWNED BY EACH	4,041,456
REPORTING PERSON	
WITH	None
	8 SHARED DISPOSITIVE POWER
	4,302,734
9 AGGREG	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
4,302	,734
	BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES [_
Not A	pplicable
11 PERCEN	T OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
7.4%	
	F REPORTING PERSON nstructions)
IN	instructions,
	Page 9 of 18
Item 1(a)	Name of Issuer:
	Mallinckrodt PLC
Item 1(b)	Address of Issuer's Principal Executive Offices:
	DAMASTOWN, MULHUDDART, DUBLIN 15, IRELAND
Item 2(a)	Name of Person Filing:
	Artisan Partners Limited Partnership ("APLP") Artisan Investments GP LLC ("Artisan Investments") Artisan Partners Holdings LP ("Artisan Holdings") Artisan Partners Asset Management Inc. ("APAM") Artisan Investment Corporation ("AIC") ZFIC, Inc. ("ZFIC")

Andrew A. Ziegler Carlene M. Ziegler

Item 2(b) Address of Principal Business Office:

APLP, Artisan Investments, Artisan Holdings, APAM, AIC, ZFIC, Mr. Ziegler,

and Ms. Ziegler are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

APLP is a Delaware limited partnership
Artisan Investments is a Delaware limited liability company
Artisan Holdings is a Delaware limited partnership
APAM is a Delaware corporation
AIC is a Wisconsin corporation
ZFIC is a Wisconsin corporation
Mr. Ziegler and Ms. Ziegler are U.S. citizens

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

G5785G107

- (e) APLP is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.
- (g) Artisan Holdings is the sole limited partner of APLP and the sole member of Artisan Investments; Artisan Investments is the general partner of APLP; APAM is the general partner of Artisan Holdings; AIC is a control person of APAM; ZFIC is the sole stockholder of AIC; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

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Item 4 Ownership (at December 31, 2013):

(a) Amount owned "beneficially" within the meaning of rule 13d-3:

4,302,734

(b) Percent of class:

7.4% (based on 58,002,372 shares outstanding as of December 6, 2013)

- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

4,041,456

(iii) sole power to dispose or to direct the disposition of:

None

(iv) shared power to dispose or to direct the disposition of:

4,302,734

Item 5 Ownership of Five Percent or Less of a Class:

Not Applicable

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

The shares reported herein have been acquired on behalf of discretionary clients of Artisan Partners. Persons other than Artisan Partners are entitled to receive all dividends from, and proceeds from the sale of, those shares. None of those persons, to the knowledge of Artisan Partners, Artisan Holdings, Artisan Partners Asset Management, Artisan Investments, Artisan Investment Corp., ZFIC, Mr. Ziegler or Ms. Ziegler, has an economic interest in more than 5% of the class.

Not Applicable

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: January 30, 2014

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez*

ARTISAN INVESTMENT CORPORATION

By: Gregory K. Ramirez*

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Assistant Treasurer of Artisan
Partners Asset Management Inc.
Vice President of Artisan
Investments GP LLC
Attorney-in-Fact for Artisan
Investment Corporation
Attorney-in-Fact for ZFIC, Inc.
Attorney-in-Fact for Andrew A.
Ziegler

Attorney-in-Fact for Carlene M. Ziegler

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Exhibit Index

Exhibit 1 Joint Filing Agreement dated January 30, 2014 by and among
Artisan Partners Limited Partnership, Artisan Investments GP LLC,
Artisan Partners Holdings LP, Artisan Partners Asset Management
Inc., Artisan Investment Corporation, ZFIC, Inc., Andrew A.

Ziegler, and Carlene M. Ziegler

Exhibit 2	Power of Attorney of Artisan Investment Corporation dated February 28, 2013
Darkikit O	David of Attorney of CETC The dated Assessed 21 2012

Exhibit 3 Power of Attorney of ZFIC, Inc., dated August 31, 2012

Exhibit 4 Power of Attorney of Andrew A. Ziegler dated August 31, 2012

Exhibit 5 Power of Attorney of Carlene M. Ziegler dated August 31, 2012

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EXHIBIT 1

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule $13\mathrm{G}$ to which this Agreement is attached.

Dated: January 30, 2014

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez*

ARTISAN INVESTMENT CORPORATION

By: Gregory K. Ramirez*

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

*By: /s/ Gregory K. Ramirez
Gregory K. Ramirez

Assistant Treasurer of Artisan

Partners Asset Management Inc.
Vice President of Artisan
 Investments GP LLC
Attorney-in-Fact for Artisan
 Investment Corporation
Attorney-in-Fact for ZFIC, Inc.
Attorney-in-Fact for Andrew A.
 Ziegler
Attorney-in-Fact for Carlene M.
 Ziegler

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EXHIBIT 2

POWER OF ATTORNEY

The undersigned, Artisan Investment Corporation, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 28/th/ day of February, 2013.

Artisan Investment Corporation

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 28/th/ day of February, 2013.

/s/ Lisa Moran
----Notary Public

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EXHIBIT 3

POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

ZFIC, INC.

By: /s/ Andrew A. Ziegler
-----Andrew A. Ziegler
Vice President

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

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EXHIBIT 4

POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

/s/ Andrew A. Ziegler
------Andrew A. Ziegler

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
-----Notary Public

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EXHIBIT 5

POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, her true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on her behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but

not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

/s/ Carlene M. Ziegler
-----Carlene M. Ziegler

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

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