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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAMELA L. POLLARD	06/20/2012
ROBERT J. MCGRAW	04/02/2012
JOHN E. POWERS	03/26/2012
RICHARD A. HOYT	06/21/2012
ROBERT J. ZIEMBA	04/02/2012
BINA A. SONI	04/02/2012

RECEIVING PARTY DATA

Name:	MALLINCKRODT LLC
Street Address:	675 MCDONNELL BLVD.
City:	HAZELWOOD
State/Country:	MISSOURI
Postal Code:	63042

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14376533

CORRESPONDENCE DATA

Fax Number: (303)770-0152

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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MARSH, FISCHMANN & BREYFOGLE LLP **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	50319-00568
NAME OF SUBMITTER:	JAMES L. JOHNSON
SIGNATURE:	/James L. Johnson Reg No. 34,193/
DATE SIGNED:	08/19/2016

Total Attachments: 6 source=50319-00276 Assignment#page1.tif

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ASSIGNMENT

WHEREAS, we, Pamela L. Pollard, 923 Sill Ridge Drive, Dardenne Prairie, in the state of Missouri, 63368, US, and Robert J. McGraw, 858 Finney Trail, Cincinnati, in the state of Ohio, 45224, US, and John E. Powers, 723 Dartmouth Bend Court, Wildwood, in the state of Missouri, 63011, US, and Richard A. Hoyt, 465 Belleview, Webster Groves, in the state of Missouri, 63119, US, and Robert J. Ziemba, 3940 Red Bud Avenue, Cincinnati, in the state of Ohio, 45229, US, and Bina A. Soni, 10780 Dallasburg Road, Loveland, in the state of Ohio, 45140, US, have invented the subject matter described in US provisional patent application serial no. 61/601,599 entitled "INJECTOR SYSTEM" and filed in the United States Patent and Trademark Office on February 22, 2012 (hereafter, the "invention").

WHEREAS, Mallinckrodt LLC of Hazelwood, Missouri, a limited liability company of the State of Delaware, is desirous of acquiring the entire right, title and interest of each of the above-named inventors in and to the invention and any and all patents to be obtained therefor:

NOW, THEREFORE, for good and valuable consideration, I do hereby sell, assign and transfer unto Mallinckrodt LLC, its successors and assigns, our entire right, title and interest in and to the invention, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file the foreign applications under the provisions of the International Convention; also any improvements on the invention now or hereafter made by me during the period of my employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon the invention and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon the invention or claim priority to the above-referenced patent application for the invention in this or any foreign country; and we hereby authorize and request the issuing authority to issue any and all patents on the application(s) to Mallinckrodt LLC, as assignee of our entire interest.

I further agree, without any payment by Mallinckrodt LLC other than expenses incurred by the undersigned, to communicate to Mallinckrodt LLC, its representatives or agents, any fact relating to the invention, including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

H-MI-00344 US

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on the date set		
after my signature.		
(L.S.) Pamela L. Pollard Dated this Of day of Lucy, 2012.		
<u>ACKNOWLEDGEMENT</u>		
On this day of		
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on the date set after my signature.		
(L.S.), Dated this day of, 2012. Robert J. McGraw		
<u>ACKNOWLEDGEMENT</u>		
On this day of		
Notary Public		

H-MI-00344 US

IN LEST INDIT WHEREO	r, i nave nereunu) See my nanu and	seal on the date set
after my signature.			
(L.S.)Pamela L. Pollard	, Dated this	day of	, 2012.
Pamela L. Pollard			
<u>AC</u>	KNOWLEDGEM	<u>IENT</u>	
On this day of		_, 2012, before n	ne personally appeared
Pamela L. Pollard to me known to be	the person descr	ibed in and who	executed the foregoing
instrument, and acknowledge that he he executed the same as his free act	executed the fore	going instrument timony whereof l	, and acknowledge that Thave hereunto set my
hand and official seal the day and year			and holomato bee may
(Seal)			
	$\overline{\mathbf{N}}$	otary Public	***
IN TESTIMONY WHEREO	F. I have hereunt	o set my hand an	d seal on the date set
	- , , , , , , , , , , , , , , , , , , ,	.	
after my signature.			
(L.S.) Koled Birs In) 17/	
Robert J. McGraw	, Dated this	day of ///	, 2012.
Robert J. McGraw			
<u>AC</u>	CKNOWLEDGEN	<u>AENT</u>	
On this <u>A</u> day of <u>(</u>	hel	, 2012, before 1	ne personally appeared
Robert J. McGraw to me known to b	e the person desc	ribed in and who	executed the foregoing
instrument, and acknowledge that he he executed the same as his free act	and deed. In tes	stimony whereof	I have hereunto set my
hand and official seal the day and year			·
(Seal)			
· · · · · · · · · · · · · · · · · · ·		1.1	An/ 1
		Vellenda	al Malke
•	N	lotary Public	

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after my signature.
(L.S.) John E. Powers, Dated this 24th day of Marsh, 2012.
ACKNOWLEDGEMENT
On this 24th day of March, 2012, before me personally appeared
John E. Powers to me known to be the person described in and who executed the foregoing
instrument, and acknowledge that he executed the foregoing instrument, and acknowledge that he executed the same as his free act and deed. In testimony whereof I have hereunto set my
hand and official seal the day and year last above written.
(Seal) TAMMY GINN My Commission Expires April 19, 2015 St. Charles County Commission #11175132 Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on the date set after my signature.
(L.S.), Dated this day of, 2012.
ACKNOWLEDGEMENT
On this
Notary Public

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IN TESTIMONY WHEREO	F, 1 nave nereunto	set my nand and	i seal on the date set
after my signature.			
(L.S.) John E. Powers	, Dated this	day of	, 2012.
AC	CKNOWLEDGEM	<u>ENT</u>	
On this day of John E. Powers to me known to be instrument, and acknowledge that he he executed the same as his free act hand and official seal the day and yea (Seal)	executed the foregand deed. In test	going instrument timony whereof l	, and acknowledge that
	N	otary Public	
IN TESTIMONY WHERE CONTROL AND SIGNATURE. (L.S.) Richard A. Hoyt		·	
<u>A</u> (CKNOWLEDGEN	<u>aent</u>	
On this day of Richard A. Hoyt to me known to be instrument, and acknowledge that he he executed the same as his free act hand and official seal the day and yes (Seal) TAMMY GINN My Commission Expires April 19, 2015 St. Charles County Commission #11175132	e the person descr e executed the fore t and deed. In tes ar last above writt	ibed in and who going instrument timony whereof	t, and acknowledge that

H-MI-00344 US

after my signature.	
(L.S.) Robert J. Ziemba, Dat	ed this <u>2</u> day of <u>April</u> , 2012.
<u>ACKNOW</u>	<u>LEDGEMENT</u>
instrument, and acknowledge that he executed	, 2012, before me personally appeared son described in and who executed the foregoing I the foregoing instrument, and acknowledge that d. In testimony whereof I have hereunto set my ove written.
	Notary Public & Ohole
IN TESTIMONY WHEREOF, I have after my signature. (L.S.) Buna Soni Bina A. Soni	ted this day of, 2012.
<u>ACKNOW</u>	<u>LEDGEMENT</u>
Bina A. Soni to me known to be the person instrument, and acknowledge that he execute	, 2012, before me personally appeared in described in and who executed the foregoing d the foregoing instrument, and acknowledge that d. In testimony whereof I have hereunto set my ove written.
	Melinde Rhele.
	Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on the date set