## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date	
Duane L. Horton	01/09/2007	
Andrew D. Speth	11/14/2006	

### **RECEIVING PARTY DATA**

Name:	Mallinckrodt LLC
Street Address:	675 McDonnell Boulevard
City:	Hazelwood
State/Country:	MISSOURI
Postal Code:	63042

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13855971

## **CORRESPONDENCE DATA**

Correspondent Name:

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Patent Docket Department Armstrong Teasd

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ATTORNEY DOCKET NUMBER:	27910-376 (H-MI-00148.C1)
NAME OF SUBMITTER:	Michael G. Munsell
Signature:	/Michael G. Munsell/

REEL: 031202 FRAME: 0869

PATENT

Date:	09/13/2013
Total Attachments: 4 source=Executed_Assignment-16124487#p source=Executed_Assignment-16124487#p source=Executed_Assignment-16124487#p source=Executed_Assignment-16124487#p	age2.tif age3.tif

PATENT REEL: 031202 FRAME: 0870

#### ASSIGNMENT

WHEREAS, we, Duane L. HORTON 4401 Gray Haven, St. Louis, in the state of Missouri, 63128, USA, and Andrew D. SPETH, 7028 Holly Hills, St. Louis, in the state of Missouri, 63123, USA, have invented a new and improved <u>SELF-ALIGNING RADIOISOTOPE ELUTION</u>

<u>SYSTEM</u> identified as Case No. H-MI-00148.P1 US, and described in US provisional patent application no. 60/849,869 as filed in the United States Patent and Trademark Office on October 6, 2006.

WHEREAS, Mallinckrodt Inc. of St. Louis, Missouri, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, we do hereby sell, assign and transfer unto said Mallinckrodt Inc., its successors and assigns, the entire right, title and interest in and to said invention or inventions, 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 said foreign applications under the provisions of the International Convention; also any improvements on said invention or inventions 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 said invention, inventions, or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions, or improvements in this or any foreign country; and I hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Mallinckrodt Inc., as assignee of the entire interest.

I further agree, without any payment by Mallinckrodt Inc. other than expenses incurred by the undersigned, to communicate to said Mallinckrodt Inc., its representatives or agents, any fact relating to said inventions, inventions or improvements, 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.

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IN TESTINION F WHEREOF, Thave he	Tourito Set my mand and sour on the date set are
my signature.	Q4 17-
(L.S.) Duane L. HORTON	, Dated this _ 9 day of _ \( \) A~
<u>ACKNOWL</u>	<u>.EDGEMENT</u>
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instrument, and acknowledge that he executed t	, 2006, before me personally appeared erson described in and who executed the foregoing he foregoing instrument, and acknowledge that he estimony whereof I have hereunto set my hand and
STEPHANIE KARDASZ My Commission Expires October 16, 2009 St. Louis County Commission #05505725	Notary Public
IN TESTIMONY WHEREOF, I have he my signature.	ereunto set my hand and seal on the date set after
my signature.	
(L.S.)Andrew D, SPETH	, Dated this day of, 2006.
ACKNOW	LEDGEMENT
instrument and acknowledge that he executed i	, 2006, before me personally appeared erson described in and who executed the foregoing the foregoing instrument, and acknowledge that he testimony whereof I have hereunto set my hand and
	Notary Public

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1

IN TESTIMONY WHEREOF, I have here	eunto set my hand ar	nd seal on the dat	e set after
my signature.			
(L.S.) Duane L. HORTON	, Dated this	day of	, 2006.
Duane L. HORTON			
ACKNOWLE	EDGEMENT		
On this day of	e foregoing instrum	ent, and acknow	leage that he
•			
	Notary Public		
	wotary 1 done		
IN TESTIMONY WHEREOF, I have her	eunto set my hand a	nd seal on the da	te set after
	· · · · · · · · · · · · · · · · · · ·		
my signature.			
	, Dated this <u></u>	4	. L. 2006
(L.S.) Andrew D. SPETH	, Dated this	1 day 01 // out	<u> 2000.</u>
Andrew D. St. E. III			
ACKNOW!	<u>EDGEMENT</u>		
HOLING 1112			
On this 4th day of November Andrew D. SPETH to me known to be the per instrument, and acknowledge that he executed the executed the same as his free act and deed. In te official seal the day and year last above written. (Seal)	son described in an ne foregoing instrun	id who executed nent, and acknov	the foregoing vledge that he
"NOTARY SEAL"  Angela J. Conrad, Notary Public St. Louis County, State of Missouri My Commission Expires 1/9/2007	Augl Notary Public	ed Conro	ul

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