Stylesheet Version v1.1

Electronic Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Christopher W. Grote	10/28/2008
Frank W. Moser	11/03/2008
John E. Johnson	10/28/2008

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12586834

CORRESPONDENCE DATA

Fax Number: (314)654-3156

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

Phone: 314-654-3156

Email: tammy.ginn@covidien.com

Correspondent Name: Mallinckrodt Inc.

Address Line 1: 675 McDonnell Boulevard
Address Line 4: Hazelwood, MISSOURI 63042

ATTORNEY DOCKET NUMBER:	H-MP-00102 US ASG PHARMA
NAME OF SUBMITTER:	Craig D. Siman

Total Attachments: 9

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PATENT REEL: 023396 FRAME: 0123 12586834

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PATENT REEL: 023396 FRAME: 0124

ASSIGNMENT

WHEREAS, we, Christopher W. GROTE, 1420 Gardenia Drive, Webster Groves, in the state of Missouri, 63119, USA, and Frank W. MOSER, 3896 Petrified Forest Drive, Arnold, in the state of Missouri, 63010, USA, and John E. JOHNSON, JR., 25 Oak Valley, Maryville, in the state of Illinois, 62062, USA, have invented the subject matter described in US provisional patent application serial no. 61/194,689 entitled BERBERINE COMPOUNDS AND PROCESSES FOR THE PREPARATION OF BERBERINE COMPOUNDS and filed in the United States Patent and Trademark Office on September 30, 2008 (hereafter, the "invention").

WHEREAS, Mallinckrodt Inc. of Hazelwood, Missouri, a corporation 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, we do hereby sell, assign and transfer unto Mallinckrodt Inc., 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 Inc., as assignee of our entire interest.

We further agree, without any payment by Mallinckrodt Inc. other than expenses incurred by the undersigned, to communicate to Mallinckrodt Inc., 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.

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IN TESTIMONY WHEREOF, I have hereunfo	o set my hand and seal on the date set after
my signature. (L.S.) Austyku W. Male , I. Christopher W. GROTE	Dated this <u>28</u> day of <i>October</i> , 2008.
ACKNOWLEDG	EMENT
On this QRN day of Octoo Christopher W. GROTE to me known to be the foregoing instrument, and acknowledge that he execute that he executed the same as his free act and deed. In to and official seal the day and year last above written. (Scal)	e person described in and who executed the ed the foregoing instrument, and acknowledge
SHANNON N. KINCANNON Notary Public - Notary Seal State of Missouri, Jefferson County Commission # 08388358 My Commission Expires Feb 26, 2012	Charney Mincannon Notary Public
IN TESTIMONY WHEREOF, I have hereunt	to set my hand and seal on the date set after
my signature.	
(L.S.) Frank W. MOSER	Dated this day of, 2008.
ACKNOWLEDG	<u>JEMENT</u>
On this day of	oregoing instrument, and acknowledge that he
	Notary Public

Page 2 of 3

IN TESTIMONY WHEREOF	, I have hereunto set my hand ar	id seal on the dat	e set after
my signature.			
(L.S.)John E. JOHNSON,	, Dated this JR.	day of	, 2008.
<u>A</u>	CKNOWLEDGEMENT		
On this day of	to be the person described in all executed the foregoing instrum deed. In testimony whereof I have been as the control of the	ent, and acknow	cledge that he
	Matamy Dublia		

Page 3 of 3

ASSIGNMENT

WHEREAS, we, Christopher W. GROTE, 1420 Gardenia Drive, Webster Groves, in the state of Missouri, 63119, USA, and Frank W. MOSER, 3896 Petrified Forest Drive, Arnold, in the state of Missouri, 63010, USA, and John E. JOHNSON, JR., 25 Oak Valley, Maryville, in the state of Illinois, 62062, USA, have invented the subject matter described in US provisional patent application serial no. 61/194,689 entitled BERBERINE COMPOUNDS AND PROCESSES FOR THE PREPARATION OF BERBERINE COMPOUNDS and filed in the United States Patent and Trademark Office on September 30, 2008 (hereafter, the "invention").

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Page 1 of 3

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my signature.			
(L.S.)Christopher W. GROTE	, Dated this	day of	, 2008.
ACKNOWLED	GEMENT		
On this day of	ne person descr uted the foregoi	ng instrument, a	nd acknowledge
	Notary Publ	ic	
IN TESTIMONY WHEREOF, I have hereu my signature.	nto set my hand	and seal on the	date set after
(L.S.) Frank W. Mosen	, Dated this 3 r	1 day of 10.4	<u>enber</u> , 2008.
ACKNOWLED	OGEMENT		
On this Sad day of	n described in a foregoing instru	and who execut iment, and ackr	nowledge that he
SHANNON N. KINCANNON Notary Public - Notary Seal State of Missouri, Jefferson County Commission # 08388358 My Commission Expires Feb 26, 2012	Notary Publ	som Kin	arrea

Page 2 of 3

IN TESTIMONY WHEREOF, I	have hereunto set my hand	l and seal on the da	ite set after
my signature.			
(L.S.) John E. JOHNSON, JR	, Dated this	day of	, 2008.
<u>ACK</u>	NOWLEDGEMENT		
On this day of John E. JOHNSON, JR. to me known to instrument, and acknowledge that he exe executed the same as his free act and dee official seal the day and year last above wr (Seal)	be the person described in cuted the foregoing instr d. In testimony whereof	n and who executed ument, and ackno	d the foregoing wledge that he
	Notary Pub	lic	

Page 3 of 3

ASSIGNMENT

WHEREAS, we, Christopher W. GROTE, 1420 Gardenia Drive, Webster Groves, in the state of Missouri, 63119, USA, and Frank W. MOSER, 3896 Petrified Forest Drive, Arnold, in the state of Missouri, 63010, USA, and John E. JOHNSON, JR., 25 Oak Valley, Maryville, in the state of Illinois, 62062, USA, have invented the subject matter described in US provisional patent application serial no. 61/194,689 entitled BERBERINE COMPOUNDS AND PROCESSES FOR THE PREPARATION OF BERBERINE COMPOUNDS and filed in the United States Patent and Trademark Office on September 30, 2008 (hereafter, the "invention").

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Page I of 3

IN TESTIMONY WHEREOF	, I have hereunto set my han	d and seal on the d	late set after
my signature.			
(L.S.)Christopher W. GRO	, Dated this	day of	, 2008.
A	CKNOWLEDGEMENT		
On this day of Christopher W. GROTE to me kn foregoing instrument, and acknowledge that he executed the same as his free ac and official seal the day and year last ab (Seal)	e that he executed the foregon t and deed. In testimony wh	oing instrument, a:	nd acknowledge
	Notary Pub	olic	
IN TESTIMONY WHEREOF my signature.	F, I have hereunto set my han	nd and seal on the	date set after
(L.S.)Frank W. MOSER	, Dated this	day of	, 2008.
<u>A</u>	ACKNOWLEDGEMENT		
On this day of	be the person described in executed the foregoing inst deed. In testimony whereof	and who execute rument, and ackn	ed the foregoing owledge that he
	Notary Pu	blic	

Page 2 of 3

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

Mhnun J., Dated this 28 Hday of October, 2008.

ACKNOWLEDGEMENT

__, 2008, before me personally appeared On this 28th day of October John E. JOHNSON, JR. 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)

SHANNON N. KINCANNON Notary Public - Notary Seal State of Missouri, Jefferson County Commission # 08388358 My Commission Expires Feb 26, 2012 Shannon M. Kincannon Notary Public

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H-MP-00102.P1 US

RECORDED: 10/20/2009

PATENT

REEL: 023396 FRAME: 0133