

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Bobby N. Trawick	01/14/2011
David W. Berberich	01/19/2011
Christopher W. Grote	01/14/2011
<b>RECEIVING PARTY DATA</b>	
Name:	Mallinckrodt Inc.
Street Address:	675 McDonnell Boulevard
City:	Hazelwood
State/Country:	MISSOURI
Postal Code:	63042
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12975407
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(314)654-3156
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	314-654-3016
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-00145T1 US ASG PHARM
NAME OF SUBMITTER:	Craig D. Siman
Total Attachments: 9 source=H-MP-00145T1_Assignment#page1.tif source=H-MP-00145T1_Assignment#page2.tif	

CH \$40.00 12975407

**501428051**

**PATENT**  
**REEL: 025752 FRAME: 0146**

source=H-MP-00145T1\_Assignment#page3.tif  
source=H-MP-00145T1\_Assignment#page4.tif  
source=H-MP-00145T1\_Assignment#page5.tif  
source=H-MP-00145T1\_Assignment#page6.tif  
source=H-MP-00145T1\_Assignment#page7.tif  
source=H-MP-00145T1\_Assignment#page8.tif  
source=H-MP-00145T1\_Assignment#page9.tif

## ASSIGNMENT

WHEREAS, we, **Bobby N. TRAWICK, 15527 Chaste St., Florissant, in the state of Missouri, 63034, USA, and David W. BERBERICH, 29 Briarwick Trail, St. Peters, in the state of Missouri, 63376, USA, and Christopher W. GROTE, 1420 Gardenia Drive, Webster Groves, in the state of Missouri, 63119, USA,** have invented the subject matter described in US provisional patent application serial no. 61/286,877 entitled (+)-Morphinans as Antagonists of Toll-Like Receptor 9 and Therapeutic Uses Thereof and filed in the United States Patent and Trademark Office on December 16, 2009 (hereafter, the "invention") and US patent application no. 12/837,545 filed in the United States Patent and Trademark Office on July 16, 2010, and US patent application no. 61/286,877 filed in the United States Patent and Trademark Office on December 16, 2009, and US patent application no. 61/226,015 filed in the United States Patent and Trademark Office on July 16, 2009, and US patent application no. 12/975,407 filed in the United States Patent and Trademark Office on December 22, 2010.

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.

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

(L.S.) Bobby N. Trawick, Dated this 14 day of January, 2011.  
**Bobby N. TRAWICK**

ACKNOWLEDGEMENT

On this 14th day of January, 2011, before me personally appeared **Bobby N. TRAWICK** 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

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

(L.S.) \_\_\_\_\_, Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011.  
**David W. BERBERICH**

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared **David W. BERBERICH** 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)

\_\_\_\_\_  
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 \_\_\_\_\_, 2011.  
**Christopher W. GROTE**

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared **Christopher W. GROTE** 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)

\_\_\_\_\_  
Notary Public

## ASSIGNMENT

WHEREAS, we, **Bobby N. TRAWICK, 15527 Chaste St., Florissant, in the state of Missouri, 63034, USA,** and **David W. BERBERICH, 29 Briarwick Trail, St. Peters, in the state of Missouri, 63376, USA,** and **Christopher W. GROTE, 1420 Gardenia Drive, Webster Groves, in the state of Missouri, 63119, USA,** have invented the subject matter described in US provisional patent application serial no. 61/286,877 entitled (+)-Morphinans as Antagonists of Toll-Like Receptor 9 and Therapeutic Uses Thereof and filed in the United States Patent and Trademark Office on December 16, 2009 (hereafter, the "invention") and US patent application no. 12/837,545 filed in the United States Patent and Trademark Office on July 16, 2010, and US patent application no. 61/286,877 filed in the United States Patent and Trademark Office on December 16, 2009, and US patent application no. 61/226,015 filed in the United States Patent and Trademark Office on July 16, 2009, and US patent application no. 12/975,407 filed in the United States Patent and Trademark Office on December 22, 2010.

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.

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

(L.S.) \_\_\_\_\_, Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011.  
**Bobby N. TRAWICK**

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared **Bobby N. TRAWICK** 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)

\_\_\_\_\_  
Notary Public

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

(L.S.) David W. Berberich, Dated this 19 day of January, 2011.  
**David W. BERBERICH**

ACKNOWLEDGEMENT

On this 19th day of January, 2011, before me personally appeared **David W. BERBERICH** 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

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

(L.S.) \_\_\_\_\_, Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011.  
**Christopher W. GROTE**

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared **Christopher W. GROTE** 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)

\_\_\_\_\_  
Notary Public



## ASSIGNMENT

WHEREAS, we, **Bobby N. TRAWICK, 15527 Chaste St., Florissant, in the state of Missouri, 63034, USA,** and **David W. BERBERICH, 29 Briarwick Trail, St. Peters, in the state of Missouri, 63376, USA,** and **Christopher W. GROTE, 1420 Gardenia Drive, Webster Groves, in the state of Missouri, 63119, USA,** have invented the subject matter described in US provisional patent application serial no. 61/286,877 entitled (+)-Morphinans as Antagonists of Toll-Like Receptor 9 and Therapeutic Uses Thereof and filed in the United States Patent and Trademark Office on December 16, 2009 (hereafter, the "invention") and US patent application no. 12/837,545 filed in the United States Patent and Trademark Office on July 16, 2010, and US patent application no. 61/286,877 filed in the United States Patent and Trademark Office on December 16, 2009, and US patent application no. 61/226,015 filed in the United States Patent and Trademark Office on July 16, 2009, and US patent application no. 12/975,407 filed in the United States Patent and Trademark Office on December 22, 2010.

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.

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

(L.S.) \_\_\_\_\_, Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011.  
**Bobby N. TRAWICK**

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared **Bobby N. TRAWICK** 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)

\_\_\_\_\_  
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 \_\_\_\_\_, 2011.  
**David W. BERBERICH**

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared **David W. BERBERICH** 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)

\_\_\_\_\_  
Notary Public

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

(L.S.) *Christopher W. Grote*, Dated this 14<sup>th</sup> day of January, 2011.  
Christopher W. GROTE

ACKNOWLEDGEMENT

On this 14<sup>th</sup> day of January, 2011, before me personally appeared Christopher W. GROTE 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