

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John J. Foster</td> <td>01/24/2013</td> </tr> <tr> <td>Thomas R. Prentice</td> <td>01/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	John J. Foster	01/24/2013	Thomas R. Prentice	01/29/2013
Name	Execution Date						
John J. Foster	01/24/2013						
Thomas R. Prentice	01/29/2013						
RECEIVING PARTY DATA							
Name:	Mallinckrodt LLC						
Street Address:	675 McDonnell Boulevard						
City:	Hazelwood						
State/Country:	MISSOURI						
Postal Code:	63042						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13787042</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13787042		
Property Type	Number						
Application Number:	13787042						
CORRESPONDENCE DATA							
Fax Number:	3146543156						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	3146543016						
Email:	patents@covidien.com						
Correspondent Name:	Mallinckrodt LLC						
Address Line 1:	675 McDonnell Boulevard						
Address Line 4:	Hazelwood, MISSOURI 63042						
ATTORNEY DOCKET NUMBER:	H-MP-00234US ASG PHARMA						
NAME OF SUBMITTER:	Jeffrey S. Boone						
Total Attachments: 2 source=H-MP-00234US_Assignment#page1.tif source=H-MP-00234US_Assignment#page2.tif							

CH \$40.00 13787042

ASSIGNMENT

WHEREAS, I, (We),

**John J. FOSTER of Woodbury, MN and Thomas R. PRENTICE of Lake Elmo, MN** have invented the subject matter described in US provisional patent application serial no. 61/607,774 entitled "**STABILITY OF HYDROMORPHONE HYDROCHLORIDE SOLUTIONS**" and filed in the United States Patent and Trademark Office on March 7, 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 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.

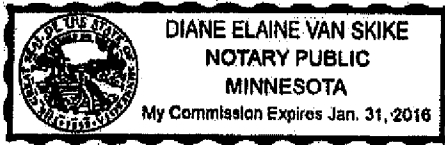
I further agree, without any payment by Mallinckrodt LLC other than expenses incurred by the undersigned, to communicate to Mallinckrodt LLC, its representatives or agents, any fact relating to the invention, including evidence for interference purposes or for other legal proceedings, whenever requested; 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.

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

(L.S.) John J. Foster, Dated this 24<sup>th</sup> day of January, 2013.  
John J. Foster

ACKNOWLEDGEMENT

On this 24<sup>th</sup> day of January, 2013, before me personally appeared John J. Foster 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)



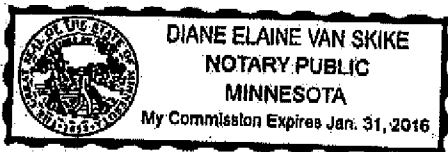
Diane Van Skike  
Notary Public

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

(L.S.) Thomas R. Prentice, Dated this 29<sup>th</sup> day of JANUARY, 2013.  
Thomas R. Prentice

ACKNOWLEDGEMENT

On this 24<sup>th</sup> day of January, 2013, before me personally appeared Thomas R. Prentice 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)



Diane Van Skike  
Notary Public