

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5750082

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL RECORDED AT REEL 032480, FRAME 0001 AND REEL 039237, FRAME 0147	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
DEUTSCHE BANK AG NEW YORK BRANCH, AS COLLATERAL AGENT		09/30/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	MALLINCKRODT LLC	
<b>Street Address:</b>	675 MCDONNELL BOULEVARD	
<b>City:</b>	HAZELWOOD	
<b>State/Country:</b>	COLORADO	
<b>Postal Code:</b>	63042	
<b>PROPERTY NUMBERS Total: 6</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	8969414	
<b>Patent Number:</b>	9474732	
<b>Patent Number:</b>	9155734	
<b>Application Number:</b>	14725714	
<b>Application Number:</b>	14834536	
<b>Application Number:</b>	14019828	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>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.</i>		
<b>Phone:</b>	2136207848	
<b>Email:</b>	iprecordations@whitecase.com	
<b>Correspondent Name:</b>	JUSTINE LU/WHITE & CASE LLP	
<b>Address Line 1:</b>	555 SOUTH FLOWER STREET, 2700	
<b>Address Line 4:</b>	LOS ANGELES, CALIFORNIA 90071	
<b>ATTORNEY DOCKET NUMBER:</b>	1111779-2659-S216	
<b>NAME OF SUBMITTER:</b>	JUSTINE LU	
<b>SIGNATURE:</b>	/Justine Lu/	
<b>DATE SIGNED:</b>	10/02/2019	

**Total Attachments: 6**

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## OFFICER'S CERTIFICATE

September 30, 2019

Reference is made to (i) that certain Credit Agreement dated as of March 19, 2014 (as amended, restated, amended and restated, supplemented or otherwise modified, renewed or replaced from time to time, the "Credit Agreement"), among Mallinckrodt PLC, (the "Parent"), Mallinckrodt International Finance S.A. (the "Lux Borrower"), Mallinckrodt CB LLC (the "Co-Borrower"), the lenders party thereto from time to time (the "Lenders") and Deutsche Bank AG New York Branch, as Administrative Agent (the "Administrative Agent") for the Lenders and (ii) that certain Partial Release of Collateral, dated as of March 17, 2017 (the "Partial Release"), between the Administrative Agent and the Lux Borrower. Capitalized terms used herein and not otherwise defined herein shall have the meanings given to such terms in the Credit Agreement. This Officer's Certificate is being furnished to the Administrative Agent pursuant to Section 9.18 of the Credit Agreement.

The undersigned, in his capacity as a Responsible Officer of the Lux Borrower and not in any individual capacity, does hereby certify to the Collateral Agent as of the date hereof, and based upon facts and circumstances as they exist as of the date hereof (and disclaiming any responsibility for changes in such facts and circumstances after the date hereof), that:

- (A) the Released IP Collateral (as defined in the Release of Security Interest in Patent Collateral attached hereto as Annex I) constitutes Released Collateral (as defined in the Partial Release) as to which all Liens, security interests, pledges, mortgages and other encumbrances, all of any kind, nature or description under the Loan Documents were released pursuant to the Partial Release; and
- (B) the release of all such Liens, security interests, pledges, mortgages and other encumbrances, all of any kind, nature or description under the Loan Documents, with respect to the Released IP Collateral is permitted under the Credit Agreement and the other Loan Documents.

*[Signature page follows]*

IN WITNESS WHEREOF, the undersigned has hereunto signed his name as of the date set forth above.

MALLINCKRODT INTERNATIONAL FINANCE  
S.A.

By: 

Name: John Einwalter  
Title: Director

**Annex I**

**Release of Security Interest in Patent Collateral**

**(See Attached)**

*[Signature Page to Officer's Certificate re: IP Release]*

## RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL

This RELEASE, dated as of September 30, 2019, is made by Deutsche Bank AG New York Branch, as Collateral Agent (the "Agent"), in favor of Mallinckrodt LLC (the "Grantor") as follows:

### W I T N E S S E T H

WHEREAS, pursuant to (a) the U.S. Collateral Agreement, dated as of March 19, 2014, by and among Mallinckrodt International Finance S.A., MALLINCKRODT CB LLC, Mallinckrodt Holdings GmbH (as successor by merger to Mallinckrodt Finance GmbH), each other Subsidiary Loan Party (as defined therein) from time to time party thereto and Agent (as such agreement may be amended, restated, supplemented or otherwise modified from time to time, the "Collateral Agreement"), (b) the Notice of Grant of Security Interest in Patents, dated as of March 19, 2014, by and among the Grantor, certain other Pledgors (as defined therein) and Agent (the "2014 Patent Security Agreement"), and (c) the Notice of Grant of Security Interest in Intellectual Property, dated as of June 15, 2016, by and among the Grantor, certain other Pledgors (as defined therein) and Agent (the "2016 Patent Security Agreement"), the Grantor granted the Agent, for the benefit of the "Secured Parties" (as defined in the Collateral Agreement), a continuing security interest in all of its right, title and interest in, to and under the "IP Collateral" (as defined in the 2014 Patent Security Agreement and the 2016 Patent Security Agreement);

WHEREAS, the 2014 Patent Security Agreement was recorded with the U.S. Patent and Trademark Office on March 19, 2014 at Reel/Frame No. 032480/0001 and the 2016 Patent Security Agreement was recorded with the U.S. Patent and Trademark Office on July 1, 2016 at Reel/Frame No. 039237/0147; and

WHEREAS, in accordance with the Collateral Agreement, the Grantor has requested that the Agent release its Liens on and security interest in all right, title and interest in, to and under the Patents being referred to herein and set forth on Schedule A attached hereto (the "Released IP Collateral").

NOW, THEREFORE, the Agent, without recourse to it or representation or warranty by it, and at the Grantor's sole cost and expense, hereby, on behalf of itself and the Secured Parties, terminates, cancels and releases its and the Secured Parties' Liens on and security interest in the Released IP Collateral, and any and all right, title and interest of the Agent and the Secured Parties in the Released IP Collateral shall hereby terminate, cease and become void.

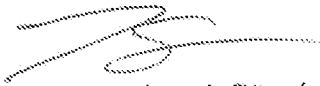
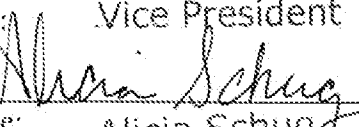
The Agent agrees to provide the Grantor with any information and additional authorization and documentation necessary to effect the release of the Agent's security interest in the Released IP Collateral (without recourse to it or representation or warranty by it, and at the Grantor's sole cost and expense and otherwise in accordance with Section 9.18 of the Credit Agreement and Section 5.15 of the Collateral Agreement).

Capitalized terms used herein without definition are used as defined in the Collateral Agreement.

*[Signature Page Follows]*

IN WITNESS WHEREOF, the Agent has caused this Release to be duly executed and delivered, on behalf of itself and the Secured Parties, by its duly authorized officer as of the date first written above.

DEUTSCHE BANK AG NEW YORK  
BRANCH, as Collateral Agent

By:   
Name: Michael Strobel  
Title: Vice President  
By:   
Name: Alicia Schug  
Title: Vice President

*Signature Page to Release of Security Interest in Patent Collateral*

**PATENT**  
**REEL: 050610 FRAME: 0469**

**SCHEDULE A****PATENTS AND PATENT APPLICATIONS**

<b>No.</b>	<b>Invention Title</b>	<b>App. No.</b>	<b>App. Date.</b>	<b>Reg. No.</b>	<b>Reg. Date</b>	<b>Owner</b>
1.	INTRATHECAL BACLOFEN PHARMACEUTICAL DOSAGE FORMS WITH FEWER DEGRADATION PRODUCTS	12/701342	2/5/2010	8969414	3/3/2015	MALLINCKRODT LLC
2.	INTRATHECAL BACLOFEN PHARMACEUTICAL DOSAGE FORMS WITH FEWER DEGRADATION PRODUCTS	14/574733	12/18/2014	9474732	10/25/2016	MALLINCKRODT LLC
3.	INTRATHECAL BACLOFEN PHARMACEUTICAL DOSAGE FORMS AND RELATED DELIVERY SYSTEM	14/725714	5/29/2015			MALLINCKRODT LLC
4.	STABILITY OF HYDROMORPHONE HYDROCHLORIDE SOLUTIONS	13/787042	3/6/2013	9155734	10/13/2015	MALLINCKRODT LLC
5.	STABILITY OF HYDROMORPHONE HYDROCHLORIDE SOLUTIONS	14/834536	8/25/2015			MALLINCKRODT LLC
6.	INTRATHECAL HYDROMORPHONE SOLUTIONS HAVING IMPROVED STABILITY	14/019828	9/6/2013			MALLINCKRODT LLC