

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM439821

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Notice of Grant of Security Interest in Trademarks		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Mallinckrodt Brand Pharmaceuticals, Inc.		08/17/2017	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Deutsche Bank AG New York Branch, as Collateral Agent		
<b>Street Address:</b>	60 Wall Street		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10005		
<b>Entity Type:</b>	Foreign Banking Corporation: GERMANY		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	87097127	M MALLINCKRODT	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	2134522329		
<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>	1111779-2453-S216		
<b>NAME OF SUBMITTER:</b>	Justine Lu		
<b>SIGNATURE:</b>	/Justine Lu/		
<b>DATE SIGNED:</b>	08/18/2017		
<b>Total Attachments: 5</b>			
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**Notice of Grant of Security Interest in Trademarks**

NOTICE OF GRANT OF SECURITY INTEREST IN TRADEMARKS, dated as of August 17, 2017 (this “*Agreement*”), made by MALLINCKRODT BRAND PHARMACEUTICALS, INC., a Delaware corporation, and MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, an Ireland private limited company (collectively, the “*Pledgors*”), in favor of DEUTSCHE BANK AG NEW YORK BRANCH, as Collateral Agent (as defined below).

Reference is made to the U.S. Collateral Agreement dated as of March 19, 2014 (as amended, restated, supplemented or otherwise modified from time to time, the “*U.S. Collateral Agreement*”), among Mallinckrodt International Finance S.A., a public limited liability company (*société anonyme*) incorporated under the laws of the Grand Duchy of Luxembourg, having its registered office at 124, Boulevard de la Pétrusse, L-2330, Luxembourg, and registered with the Luxembourg Trade and Companies Register (*R.C.S Luxembourg*) under number B 172.865 (the “*Lux Borrower*”), MALLINCKRODT CB LLC (the “*Co-Borrower*”, and together with the Lux Borrower, the “*Borrowers*”), Mallinckrodt Finance GmbH (the “*Swiss Finco*”), each other Subsidiary Loan Party listed on the signature pages thereof and each other Subsidiary Loan Party that becomes a party thereto after the date thereof and DEUTSCHE BANK AG NEW YORK BRANCH, as collateral agent (together with its successors and assigns in such capacity, the “*Collateral Agent*”) for the Secured Parties (as defined therein). The parties hereto agree as follows:

SECTION 1. *Terms.* Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the U.S. Collateral Agreement. The rules of construction specified in Section 1.01(b) of the U.S. Collateral Agreement also apply to this Agreement.

SECTION 2. *Grant of Security Interest.* As security for the payment and performance, as applicable, in full of its Secured Obligations, each Pledgor pursuant to the U.S. Collateral Agreement did, and hereby does, assign and pledge to the Collateral Agent, its successors and permitted assigns, for the benefit of the Secured Parties, a continuing security interest in all of such Pledgor’s right, title and interest in, to and under any and all of the following assets now owned or at any time hereafter acquired by such Pledgor or in which such Pledgor now has or at any time in the future may acquire any right, title or interest (collectively, but excluding any Excluded Property, the “IP Collateral”):

all Trademarks of the United States of America, including those listed on Schedule I;

provided, however, that the foregoing pledge, assignment and grant of security interest will not cover any Excluded Property, including, without limitation, any “intent-to-use” trademark applications, to the extent that the grant of a security interest therein would impair the validity or enforceability of, or render void or voidable or result in the cancellation of the applicable grantor’s right, title or interest therein or in any trademark issued as a result of such application under applicable federal law.

SECTION 3. *U.S. Collateral Agreement.* The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the U.S. Collateral Agreement. Each Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the IP Collateral are more fully set forth in the U.S. Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the U.S. Collateral Agreement, the terms of the U.S. Collateral Agreement shall govern.

SECTION 4. *Counterparts.* This Agreement may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract. Delivery of an executed counterpart to this Agreement by facsimile or other electronic transmission shall be as effective as delivery of a manually signed original.

SECTION 5. *Governing Law.* **THIS AGREEMENT AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSES OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.**

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

MALLINCKRODT BRAND  
PHARMACEUTICALS, INC., as Pledgor

By: *Kenneth D. Goetz*  
Name: Kenneth D. Goetz  
Title: Assistant Secretary

MALLINCKRODT HOSPITAL  
PRODUCTS IP LIMITED, as Pledgor

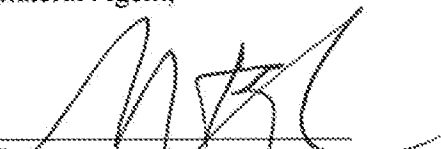
By: *Kenneth D. Goetz*  
Name: Kenneth D. Goetz  
Title: Power of Attorney

*[Signature Page to Notice of Grant of Security Interest in Trademarks]*

**TRADEMARK**  
**REEL: 006133 FRAME: 0265**

ACCEPTED AND AGREED:

DEUTSCHE BANK AG NEW YORK  
BRANCH,  
as Collateral Agent,

By:   
Name: Marcus Tarkington  
Title: Director

By:   
Name: Anca Trifan  
Title: Managing Director

*[Signature Page to Notice of Grant of Security Interest in Trademarks]*

**TRADEMARK**  
**REEL: 006133 FRAME: 0266**

Schedule I  
to Notice of Grant of Security Interest in Trademarks

*U.S. Trademark Registrations and Applications*

<b>No.</b>	<b>Trademark</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Reg. No.</b>	<b>Reg. Date</b>	<b>Owner</b>
1.	MALLINCKRODT w/ CUBE logo	87097127	7/8/2016			MALLINCKRODT BRAND PHARMACEUTICALS, INC.
2.	INOBlender	79026694	4/4/2006	3242739	5/15/2007	MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED
3.	INOMAX	79026770	4/4/2006	3280185	8/14/2007	MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED
4.	ONSTORVIS	87163067	9/7/2016			MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED
5.	TERLIVAZ terlipressin for injection LOGO	86532781	2/12/2015			MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED