

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5629397

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	NOTICE OF GRANT OF SECURITY INTEREST IN INTELLECTUAL PROPERTY	
CONVEYING PARTY DATA		
	Name	Execution Date
	SPECGX LLC	07/19/2019
RECEIVING PARTY DATA		
Name:	DEUTSCHE BANK AG NEW YORK BRANCH, AS COLLATERAL AGENT	
Street Address:	60 WALL STREET	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10005	
PROPERTY NUMBERS Total: 12		
Property Type	Number	
Application Number:	15714137	
Application Number:	15568587	
Application Number:	16002199	
Application Number:	16002190	
Application Number:	15977415	
Application Number:	15464865	
Application Number:	16002285	
Application Number:	16201645	
Application Number:	16219253	
Application Number:	62736020	
Application Number:	15710990	
Application Number:	16254074	
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Phone:	2136207848	
Email:	iprecordations@whitecase.com	
Correspondent Name:	JUSTINE LU/WHITE & CASE LLP	
Address Line 1:	555 SOUTH FLOWER STREET, 2700	

PATENT

Address Line 4: LOS ANGELES, CALIFORNIA 90071	
ATTORNEY DOCKET NUMBER:	1111779-2659-S216
NAME OF SUBMITTER:	JUSTINE LU
SIGNATURE:	/Justine Lu/
DATE SIGNED:	07/22/2019
Total Attachments: 6 source=MNK - IP Supplement - Patents - SpecGX LLC (Executed)#page1.tif source=MNK - IP Supplement - Patents - SpecGX LLC (Executed)#page2.tif source=MNK - IP Supplement - Patents - SpecGX LLC (Executed)#page3.tif source=MNK - IP Supplement - Patents - SpecGX LLC (Executed)#page4.tif source=MNK - IP Supplement - Patents - SpecGX LLC (Executed)#page5.tif source=MNK - IP Supplement - Patents - SpecGX LLC (Executed)#page6.tif	

Notice of Grant of Security Interest in Intellectual Property

NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS, dated as of July 19, 2019 (this “**Agreement**”), made by SpecGX LLC, a Delaware limited liability company (the “**Pledgor**”), 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 Holdings GmbH (as successor by merger to Mallinckrodt Finance GmbH) (the “**Swiss Finco**”), each other Subsidiary Loan Party listed on the signature pages hereof and each other Subsidiary Loan Party that becomes a party hereto after the date hereof 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, the 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 Patents of the United States of America, including those listed on Schedule I;

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. The 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.

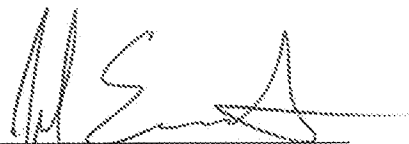
SECTION 4. *Counterparts*. This Agreement may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract. Delivery of an executed counterpart to this Agreement by facsimile or other electronic transmission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

SPECGX LLC

By: 
Name: John Einwalter
Title: Vice President & Treasurer

DEUTSCHE BANK AG NEW YORK BRANCH,
as Collateral Agent,

By: 
Name: Yumi Okabe
Title: Vice President

By: 
Name: Alicia Schug
Title: Vice President

[Signature Page to Notice of Grant of Security Interest in Patents]

Schedule I
to Notice of Grant of Security Interest in Patents

U.S. Patent Registrations

N/A

U.S. Patent Applications

Patent	Application No.	Application Date	Owner
Tamper-Resistant Immediate Release Formulations	15/714137	September 25, 2017	SpecGX LLC
TR Pan Coater Apparatus and Method	15/568587	October 23, 2017	SpecGX LLC
ABUSE DETERRENT IMMEDIATE RELEASE FORMULATIONS CONTAINING GLUCOMANNAN	16/002199	June 7, 2018	SpecGX LLC
TAMPER-RESISTANT IMMEDIATE RELEASE FORMULATIONS	16/002190	June 7, 2018	SpecGX LLC
TAMPER-RESISTANT IMMEDIATE RELEASE FORMULATIONS	15/977415	May 11, 2018	SpecGX LLC
TAMPER RESISTANT FORMULATIONS FOR ORAL SOLID EXTENDED RELEASE DOSAGE FORMS	15/464865	March 21, 2017	SpecGX LLC
DELAYED SUSTAINED RELEASE PHARMACEUTICAL PREPARATION	16/002285	June 7, 2018	SpecGX LLC
A SIMPLIFIED PROCEDURE FOR THE INDUSTRIAL SCALE MANUFACTURE OF LISDEXAMPHETAMINE DIMESYLATE (1) USING A "ONE-POT" TM PROCEDURE FROM AMPHETAMINE SALTS	16/201645	November 27, 2018	SpecGX LLC
ONE STEP MILLING PROCESS FOR PREPARING MICRONIZED PALIPERIDONE ESTERS	16/219253	December 13, 2018	SpecGX LLC

TAMPER-RESISTANT IMMEDIATE RELEASE CAPSULE DOSAGE FORM CONTAINING ORGANIC ACID	62/736020	September 25, 2018	SpecGX LLC
A CONVENIENT AND EFFECTIVE WAY TO CONVERT (MINOR AMOUNT OF) AL- PHA,BETA-UNSATURATED KETONE TO SATURATED KETONE IN THE FINISHING DRUG SUBSTANCE	15/710990	September 21, 2017	SpecGX LLC
PROCESSES FOR THE LARGE SCALE MANU- FACTURE OF SUFENTANIL CITRATE AND SUFENTANIL BASE	16/254074	January 22, 2019	SpecGX LLC