PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEX MICKA	04/22/2015
KAI FENG	04/22/2015
TSZ CHUNG LAI	04/22/2015
JONATHAN GAIK	04/22/2015

RECEIVING PARTY DATA

Name:	MALLINCKRODT LLC
Street Address:	675 MCDONNELL BLVD.
City:	HAZELWOOD
State/Country:	MISSOURI
Postal Code:	63042

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14788908
PCT Number:	US2015038774

CORRESPONDENCE DATA

Fax Number: (618)655-9640

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.

Phone: 314-889-8000

Email: IPdocket@polsinelli.com

Correspondent Name: POLSINELLI PC

Address Line 1: 105 WEST VANDALIA STREET

Address Line 2: SUITE 400

Address Line 4: EDWARDSVILLE, ILLINOIS 62025

Total Attachments: 6	
DATE SIGNED:	09/09/2015
SIGNATURE:	/Rebecca L. Endsley/
NAME OF SUBMITTER:	REBECCA L. ENDSLEY, PARALEGAL
ATTORNEY DOCKET NUMBER:	054501-493524

Total Attachments: 6

PATENT REEL: 036518 FRAME: 0427

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PATENT REEL: 036518 FRAME: 0428 <u>ASSIGNMENT</u>

WHEREAS, Alex Micka; Kai Feng; Tsz Chung Lai; and Jonathan Gaik; all of

Hazelwood, Missouri; (hereinafter referred to as "ASSIGNOR"), own an invention (the

"INVENTION") relating to an improvement ABUSE DETERRENT IMMEDIATE

RELEASE FORMULATIONS COMPRISING NON-CELLULOSE

POLYSACCHARIDES (file No. 054501-475132 (H-MP-00251)) and have executed an

application for a United States patent based thereon Serial No. 62/020,726, filed July 3,

2014;

AND, WHEREAS, MALLINCKRODT LLC having its principal place of business at

675 McDonnell Blvd., Hazelwood, Missouri 63042 (hereinafter referred to as

"ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration,

receipt of all of which is hereby acknowledged, ASSIGNOR has agreed to and do

hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest

in and throughout the United States of America (including its territories and

dependencies) and all countries foreign thereto in and to said INVENTION, said

APPLICATION, any other United States application (including divisional, continuing, or

reissue applications) based in whole or in part on said APPLICATION or in whole or in

part on said INVENTION, any foreign applications based in whole or in part on any of

the aforesaid United States applications or in whole or in part on said INVENTION, and

any and all patents (including extensions thereof) of any country which have been or

may be granted on any of the aforesaid applications or on said INVENTION or any part

thereof;

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TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns,

as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had

no sale and assignment of said interest been made;

AND ASSIGNOR hereby authorize and request the Commissioner of Patents of

the United States of America to issue any and all United States patents which may be

granted upon said United States applications or any of them, or upon said INVENTION

or any part thereof, to said ASSIGNEE;

AND ASSIGNOR, their successors and assigns, hereby agree to execute without

further consideration any further lawful documents and any further assurances, and any

divisional, continuing, reissue, or other applications for patents of any country, that may

be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest

as aforesaid in and to said INVENTION or any part thereof, and in and to said several

patents or any of them;

AND ASSIGNOR hereby covenant and agree with said ASSIGNEE, its

successors and assigns, that ASSIGNOR has granted no right or license to make, use,

or sell said INVENTION, to anyone except said ASSIGNEE, that prior to the execution

of this assignment, ASSIGNOR'S right, title and interest in said INVENTION have not

been otherwise encumbered, and that ASSIGNOR has not executed and will not

execute any instrument in conflict herewith.

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Date _	4-22-15	ALEXIMICKA	
*		ACKNOWLEDGMENT	

country of St. Louis ss.

On this 22 day of April , 2015, before me, a Notary Public, personally appeared ALEX MICKA known to me to be the person described herein and who executed the foregoing assignment and acknowledged that he/she executed said instrument as his/her free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public

My Commission Expires:

June 02, 20/8 [SEAL]

DEBRA KAY PROTOLIPAC Notary Public - Notary Seal State of Missouri Commissioned for St. Louis County My Commission Expires: June 07, 2018 Commission Number: 14981963

Date 4-22-15 KAI FENG
ACKNOWLEDGMENT
STATE OF Missouri) SS. COUNTY OF St. Louis)
On this 22 day of 19 , 2015, before me, a Notary Public, personally appeared KAI FENG known to me to be the person described herein and who executed the foregoing assignment and acknowledged that he/she executed said instrument as his/her free act and deed.
In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.
Delia Kay Prolotypa Notary Public
My Commission Expires:
DEBRA KAY PROTOLIPAC Notary Public - Notary Seal State of Missouri Commissioned for St. Louis County My Commission Expires: June 07, 2018 Commission Number: 14981963

Date 4-22-2015 TSZ CHUNG LAI
ACKNOWLEDGMENT
STATE OF Missouri) SS. COUNTY OF St. Louis)
On this 22 day of $\cancel{A\varphir}$, 2015, before me, a Notary Public, personally appeared TSZ CHUNG LAI known to me to be the person described herein and who executed the foregoing assignment and acknowledged that he/she executed said instrument as his/her free act and deed.
In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.
Deluo Kay Protolyen Notary Public /
My Commission Expires:
DEBRA KAY PROTOLIPAC Notary Public - Notary Seal State of Missouri Commissioned for St. Louis County My Commission Expires: June 07, 2018 Commission Number: 14981983

Date 4-22-15 JONATHAN GAIK
ACKNOWLEDGMENT
STATE OF Missouri) SS. COUNTY OF St. Louis)
On this <u>A</u> 2day of <u>A</u> pril, 2015, before me, a Notary Public, personally appeared JONATHAN GAIK known to me to be the person described herein and who executed the foregoing assignment and acknowledged that he/she executed said instrument as his/her free act and deed.
In Testimony Whereof, I have hereunto set my hand and affixed my official sea the day and year first above written.
Delua Kay Prololypic Notary Public
My Commission Expires:
Notary Public - Notary Seal Notary Seal State of Missouri Commissioned for St. Louis County My Commission Expires: June 07, 2018 Commission Number: 14981963

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RECORDED: 09/09/2015

PATENT REEL: 036518 FRAME: 0434