

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5669928

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	09/26/2015
<b>SEQUENCE:</b>	2

## CONVEYING PARTY DATA

Name	Execution Date
MALLINCKRODT CRITICAL CARE FINANCE INC	08/15/2019

## RECEIVING PARTY DATA

<b>Name:</b>	MALLINCKRODT PHARMA IP TRADING D.A.C.
<b>Street Address:</b>	DAMASTOWN INDUSTRIAL ESTATE
<b>Internal Address:</b>	MULHUDDART
<b>City:</b>	DUBLIN
<b>State/Country:</b>	IRELAND
<b>Postal Code:</b>	15

## PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15261968
Application Number:	15491835

## CORRESPONDENCE DATA

Fax Number:

*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.*

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<b>ATTORNEY DOCKET NUMBER:</b>	MAL 2702 US
<b>NAME OF SUBMITTER:</b>	MICHAEL L KENAGA
<b>SIGNATURE:</b>	/Michael L Kenaga/
<b>DATE SIGNED:</b>	08/15/2019

Total Attachments: 2

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

WHEREAS, Mallinckrodt Critical Care Finance Inc., a Delaware corporation located at 675 McDonnell Boulevard, Hazelwood, MO 63042 ("Assignor"), is the owner of the entire right, title and interest in and to the patents and patent applications described below and the corresponding inventions as described and claimed therein (collectively "Patent Properties"):

Invention Title	Appl. No.	Filing Date
CENTRIFUGE SYSTEM AND METHOD FOR COMPONENT TRACKING	15/261968	9/11/2016
METHOD FOR COLLECTING A DESIRED BLOOD COMPONENT AND PERFORMING A PHOTOPHERESIS TREATMENT	15/491835	4/19/2017

AND WHEREAS, Mallinckrodt Pharma IP Trading D.A.C., an Irish designated activity company located at Damastown Industrial Estate, Mulhuddart, Dublin 15, Ireland ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the Patent Properties and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, their entire right, title and interest in and to the Patent Properties, and to any and all letters patent which may be granted as a result thereof in the United States of America, in the territorial possessions of the United States of America and to any and all divisions, reissues and continuations thereof, including the right to sue and recover damages for past infringement, said inventions and all letters patent on said inventions to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this sale, assignment and transfer not been made.

This Assignment is effective as from September 26, 2015.

Executed the 15<sup>th</sup> day of August, 2019 (Execution date)

Assignor

By:

Michael L. Kenaga

Name: Michael L. Kenaga

Title: Attorney-in-fact

Assignee

By:



Name: Michael L. Kenaga

Title: Attorney-in-fact