PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4599902

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SOMAN ABRAHAM	11/28/2011
KAM LEONG	11/14/2011
HERMAN STAATS	11/15/2011
ASHLEY ST. JOHN	11/16/2011

RECEIVING PARTY DATA

Name:	Duke University
Street Address:	2812 Erwin Road
Internal Address:	Suite 306
City:	Durham
State/Country:	NORTH CAROLINA
Postal Code:	27705

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15698500

CORRESPONDENCE DATA

Fax Number: (414)277-0656

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: (414)271-6560

Email: dahauser@michaelbest.com

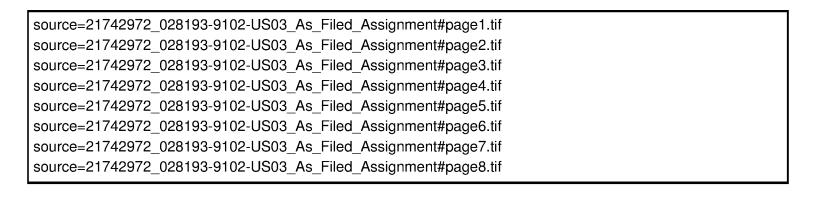
Correspondent Name: MICHAEL BEST & FRIEDRICH LLP
Address Line 1: 100 EAST WISCONSIN AVENUE

Address Line 2: SUITE 3300

Address Line 4: MILWAUKEE, WISCONSIN 53202-4108

ATTORNEY DOCKET NUMBER:	028193-9102-US03
NAME OF SUBMITTER:	JULIA M. COX
SIGNATURE:	/julia m. cox/
DATE SIGNED:	09/19/2017

Total Attachments: 8



Pursuant to our obligation to Duke University (hereinafter referred to as "Assignee"), a North Carolina non-profit institution having its principal place of business at:

2812 Erwin Road Suite 306 Durham, NC 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Soman Abraham 300 Englewood Drive Chapel Hill, NC 27514

Kam Leong 2565 Bittersweet Drive Durham, NC 27705

Herman Staats 312 Jericho Road Hillsborough, NC 27278

Ashley St. John 235 Grey Elm Trail Durham, NC 27712

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

- (1) in and to inventions described in a patent application titled "LYMPH NODE-TARGETING NANOPARTICLES" for which we filed United States Patent Application No. 13/252,516 (Atty. File No. 028193-9102-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/389,457, filed October 4, 2010 (hereinafter the "U.S. provisional patent application") (Atty. File No. 028193-9102-US00);
- (2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

1100 28 NOH	Nmantsahoun
Date	Soman Abraham
Date	Kam Leong
Date	Herman Staats
Date	Ashley St. John

Pursuant to our obligation to Duke University (hereinafter referred to as "Assignee"), a North Carolina non-profit institution having its principal place of business at:

2812 Erwin Road Suite 306 Durham, NC 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Soman Abraham 300 Englewood Drive Chapel Hill, NC 27514

Kam Leong 2565 Bittersweet Drive Durham, NC 27705

Herman Staats 312 Jericho Road Hillsborough, NC 27278

Ashley St. John 235 Grey Elm Trail Durham, NC 27712

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

- (1) in and to inventions described in a patent application titled "LYMPH NODE-TARGETING NANOPARTICLES" for which we filed United States Patent Application No. 13/252,516 (Atty. File No. 028193-9102-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/389,457, filed October 4, 2010 (hereinafter the "U.S. provisional patent application") (Atty. File No. 028193-9102-US00);
- (2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

Date	Soman Abraham
Nov 14, 2011	Kam W Leong Digitally signed by Kam W Leong DN: cn=Kam W Leong, o=Duke University, ou=Dept. Biomedical Engineering, emall=kam.leong@duke.edu, c=US Date: 2011.11.14 14.53:15 -05'00'
Date	Kam Leong
Date	Herman Staats
Date ,	Ashley St. John

Pursuant to our obligation to Duke University (hereinafter referred to as "Assignee"), a North Carolina non-profit institution having its principal place of business at:

> 2812 Erwin Road Suite 306 Durham, NC 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

> Soman Abraham 300 Englewood Drive Chapel Hill, NC 27514

> Kam Leong

Durham, NC 27712

rierman Staats
312 Jerieho Road
Hillsberough, NC 27278

Ashley St. John
235 Grey Elm Trail

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

- (1) in and to inventions described in a patent application titled "LYMPH NODE-TARGETING NANOPARTICLES" for which we filed United States Patent Application No. 13/252,516 (Atty. File No. 028193-9102-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/389,457, filed October 4, 2010 (hereinafter the "U.S. provisional patent application") (Atty. File No. 028193-9102-US00);
- (2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

Date	Soman Abraham
Date	Kam Leong
11-15-2011	Hum I Start
Date	Herman Staats
 Date	

Pursuant to our obligation to Duke University (hereinafter referred to as "Assignee"), a North Carolina non-profit institution having its principal place of business at:

2812 Erwin Road Suite 306 Durham, NC 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Soman Abraham 300 Englewood Drive Chapel Hill, NC 27514

Kam Leong 2565 Bittersweet Drive Durham, NC 27705

Herman Staats 312 Jericho Road Hillsborough, NC 27278

Ashley St. John 235 Grey Elm Trail Durham, NC 27712

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

- (1) in and to inventions described in a patent application titled "LYMPH NODE-TARGETING NANOPARTICLES" for which we filed United States Patent Application No. 13/252,516 (Atty. File No. 028193-9102-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/389,457, filed October 4, 2010 (hereinafter the "U.S. provisional patent application") (Atty. File No. 028193-9102-US00);
- (2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

Date	Soman Abraham
Date	Kam Leong
Date	Herman Staats
10/n/n	Ashley St. John
Date	Ashley St. John