

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4134316

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MANZOOR KOYAKUTTY	10/07/2016
ARCHANA P RETNAKUMARI	10/13/2016
SHANTIKUMAR NAIR	10/08/2016
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14585013
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DATE SIGNED:	11/09/2016
Total Attachments: 3	
source=Assignment of interest in patent for US 14585,013 (With Inventor Signature)#page1.tif	
source=Assignment of interest in patent for US 14585,013 (With Inventor Signature)#page2.tif	
source=Assignment of interest in patent for US 14585,013 (With Inventor Signature)#page3.tif	

Assignment of CORE-SHELL PARTICLE FORMULATION FOR DELIVERING
MULTIPLE THERAPEUTIC AGENTS By Manzoor Koyakutty, Archana
P. Retnakumari and Shantikumar Nair to AMRITA VISHWA VIDYAPEETHAM.

ASSIGNMENT OF PATENT APPLICATION BY INVENTOR

Whereas I, an undersigned inventor (hereinafter "INVENTOR"), have invented certain new and useful improvements as set forth in the patent application entitled:

CORE-SHELL PARTICLE FORMULATION FOR DELIVERING MULTIPLE
THERAPEUTIC AGENTS

- ☐ for which I have executed a U.S. patent application on even date herewith; and/or
- ☒ which bears U.S. application serial No. 14/585,013 filed December 29, 2014.
- ☐ for which I have executed a patent application in the country of _____ on even date herewith.
- ☐ which I have executed a U.S. provisional application on even date herewith.
- ☐ which is a U.S. provisional application which bears U.S. application serial No. _____, filed _____.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

(a) Sell, assign and transfer to AMRITA VISHWA VIDYAPEETHAM having a place of business at Center for Nano Sciences and Molecular Medicine, Ponekkara (PO), Kochi - 682041, Kerala, India (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and; (2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof.

(b) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.

(c) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative

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applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

(d) Warrant and covenant that no other assignment, license, contract, understanding, interest or other grant to any third party with respect to any of the foregoing has been made, or shall in the future be made, by or on behalf of INVENTOR.

(e) Covenant not to challenge the validity or enforceability of any of the patent applications or patents assigned to ASSIGNEE hereunder.

(f) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.

(g) Authorize and request my attorney/agent to insert above the application number in order to assist with recordal of this assignment or any other information necessary to perfect this assignment.

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MULTIPLE THERAPEUTIC AGENTS By Manzoor Koyakutty, Archana
P. Retnakumari and Shantikumar Nair to AMRITA VISHWA VIDYAPEETHAM.

(b) IN TESTIMONY WHEREOF, I Manzoor Koyakutty have executed this document on
the date indicated below.

Manzoor Koyakutty
Signature of Inventor

07. Oct. 2016.
Date

Kochi, Kerala
Inventor's City, State of residence

IN TESTIMONY WHEREOF, I Archana P. Retnakumari have executed this document on the
date indicated below.

Archana
Signature of Inventor

13-10-2016
Date

Thiruvananthapuram, Kerala
Inventor's City, State of residence

IN TESTIMONY WHEREOF, I Shantikumar Nair have executed this document on the date
indicated below.

Shantikumar Nair
Signature of Inventor

8-10-2016.
Date

Kochi, Kerala
Inventor's City, State of residence