PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3321469

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| DONGAN WANG | 03/24/2015 |
| TING TING LAU | 03/18/2015 |
| WENYAN LEONG | 03/25/2015 |

RECEIVING PARTY DATA

| Name: | NANYANG TECHNOLOGICAL UNIVERSITY |
|-----------------|----------------------------------|
| Street Address: | 50 NANYANG AVENUE |
| City: | SINGAPORE |
| State/Country: | SINGAPORE |
| Postal Code: | 639798 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14420278 |

CORRESPONDENCE DATA

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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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| ATTORNEY DOCKET NUMBER: | 690148.475USPC |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | QING LIN, PH.D. |
| SIGNATURE: | /Qing Lin/ |
| DATE SIGNED: | 04/22/2015 |

Total Attachments: 3

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> **PATENT REEL: 035469 FRAME: 0900** 503274851

ASSIGNMENT

WHEREAS, we, Dongan WANG, Ting Ting LAU and Wenyan LEONG (hereinafter referred to as ASSIGNORS), all having a mailing address of c/o Nanyang Technological University, 50 Nanyang Avenue, Singapore, SG 639798, are the joint inventors invention entitled "METHODS OF MANUFACTURING MICROPARTICLES HAVING CELLS. AND COMPOSITIONS LIVING FOR MANUFACTURING A SCAFFOLD FOR TISSUE ENGINEERING," as described and claimed in the specification for which an application for United States letters patent was filed on February 6, 2015, and assigned Application No. 14/420,278; which application is a national application filed under 35 U.S.C. 371 of International Application No. PCT/SG2013/000312, accorded an International Filing Date of July 26, 2013;

WHEREAS, Nanyang Technological University (hereinafter referred to as ASSIGNEE), a place of business at 50 Nanyang Avenue, Singapore, SG 639798, is desirous of acquiring the entire right, title and interest in and to the invention 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, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters

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| * | | garding said letters patent, or for the purpose of | |
|--|----------------------|---|--|
| protecting title to said invention or letters patent therefor. | | | |
| 24/3/2015 Date | | Dongan WANG | |
| I certify that I know or have satisfactory evidence that Dongan WANG is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument. | | | |
| | | | |
| | Dated | 24 1031205 | |
| | Signature of Witness | 486 | |
| | Printed Name | He Penglei | |
| 18/3/2015 | | | |
| Date | | Ting Ting LAU | |
| appeared before me, and ss | aid person ack | evidence that Ting Ting LAU is the person who nowledged that he/she signed this instrument and stary act for the uses and purposes mentioned in the | |

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Dated _____ Signature of Witness ____

Printed Name ____

| 251 MARCH / 2015 | West . | |
|------------------|--------------|--|
| Date | Wenyan LEONG | |

I certify that I know or have satisfactory evidence that Wenyan LEONG is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

| Dated | 35 Mar | 15 | |
|----------------------|--------|------|------|
| Signature of Witness | APP: | | |
| Printed Name | YVONNE | PECK | |

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