

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3355400

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATTHEW WOOK CHANG	04/21/2015
IN YOUNG HWANG	04/21/2015
MUI HUA TAN	04/21/2015
ELVIN KOH	04/21/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NANYANG TECHNOLOGICAL UNIVERSITY
<b>Street Address:</b>	50 NANYANG AVENUE
<b>City:</b>	SINGAPORE
<b>State/Country:</b>	SINGAPORE
<b>Postal Code:</b>	639798
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14644698
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)682-6031
<i>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.</i>	
<b>Phone:</b>	206-622-4900
<b>Email:</b>	barbarah@SeedIP.com
<b>Correspondent Name:</b>	QING LIN, PH.D.
<b>Address Line 1:</b>	SEED IP LAW GROUP
<b>Address Line 2:</b>	701 5TH AVE, SUITE 5400
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104
<b>ATTORNEY DOCKET NUMBER:</b>	690148.431C1
<b>NAME OF SUBMITTER:</b>	QING LIN, PH.D.
<b>SIGNATURE:</b>	/Qing Lin/
<b>DATE SIGNED:</b>	05/15/2015
<b>Total Attachments: 3</b>	
source=Assignment#page1.tif	
source=Assignment#page2.tif	



## ASSIGNMENT

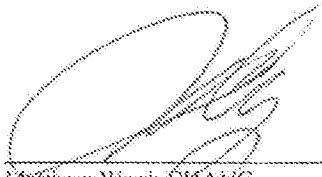
WHEREAS, we, Matthew Wook CHANG, In Young HWANG, Mai Hua TAN and Elvin KOH (hereinafter referred to as ASSIGNORS), all having a mailing address of c/o Nanyang Technological University, 50 Nanyang Avenue, Singapore, Singapore 639798 are the joint inventors of an invention entitled "AN ISOLATED NUCLEOTIDE MOLECULE AND METHOD OF SENSING AND KILLING OF PATHOGENIC MICROORGANISM," as described and claimed in the specification for which an application for United States letters patent was filed on March 11, 2015 and assigned Application No. 14/644,698; which application is a continuation-in-part of U.S. Application No. 13/586,657, filed on August 15, 2012; which claims the benefit of U.S. Provisional Application No. 61/529,417, filed on August 31, 2011;

WHEREAS, Nanyang Technological University (hereinafter referred to as ASSIGNEE), having a usual place of business at 50 Nanyang Avenue, Singapore, Singapore 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;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is 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 divisions, reissues and continuations thereof, 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 letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

21/04/15

Date



Matthew Wook CHANG

I certify that I know or have satisfactory evidence that Matthew Wook CHANG signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

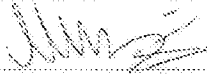
Date 21/04/15

(Type or Print)

Mageswari Ganesan

(Type or Print Name of Witness)

Signed at



(Signature of Witness)

21/04/15

Date



In Young HWANG

I certify that I know or have satisfactory evidence that In Young HWANG signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

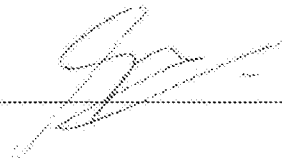
Date 21/04/15

(Type or Print)

Lo Tai Ming Samuel


(Type or Print Name of Witness)

Signed at



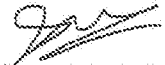
(Signature of Witness)

21/04/15  
Date


  
Mui Hua TAN

I certify that I know or have satisfactory evidence that Mui Hua TAN signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

21/04/15  
Date  
(Type or Print)  
Lo Tat Ming Samuel  
(Type or Print Name of Witness)


Signed at  
  
(Signature of Witness)

21/04/15  
Date

  
Elvin KOH

I certify that I know or have satisfactory evidence that Elvin KOH signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

21/04/15  
Date  
(Type or Print)  
Ho Chun Loong  
(Type or Print Name of Witness)

Signed at  
  
(Signature of Witness)

(P) (L) (S) (C)  
387076.1