

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YONG TAE KIM	07/23/2018
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	10323
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16045566
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<b>ATTORNEY DOCKET NUMBER:</b>	128205-8001.US01
<b>NAME OF SUBMITTER:</b>	CORTNEY GOLLANDS
<b>SIGNATURE:</b>	/Cortney Gollands/
<b>DATE SIGNED:</b>	01/31/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
source=Declaration_Assignment (128205-8001.US01)#page1.tif	
source=Declaration_Assignment (128205-8001.US01)#page2.tif	
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

.....  
In re Patent Application of:  
Yong Tae Kim

Application No.: 16/045,566

Filed: July 25, 2018

For: **NUCLEIC ACID COMPLEX PAIR AND  
TARGET DETECTION METHOD USING THEREOF**  
.....

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION AND ASSIGNMENT BY THE INVENTOR**

I, Yong Tae Kim, of Sejong-si, Republic of Korea, hereby declare that:

I believe I am the sole original inventor or an original joint inventor of a claimed invention in a patent application entitled:

**NUCLEIC ACID COMPLEX PAIR AND TARGET DETECTION METHOD USING  
THEREOF**

the specification of which was filed on July 25, 2018....., as Application No. 16/045,566....., which claims the benefit of priority of U.S. Provisional Patent Application No. 62/536,808, filed on July 25, 2017; U.S. Provisional Patent Application No. 62/580,335, filed on November 1, 2017; Korean Patent Application No. 10-2018-0007355, filed on January 19, 2018; and Korean Patent Application No. 10-2018-0014739. I authorize and request an attorney appointed in said application to hereafter insert above the filing date and application number of said application when known.

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified patent application including the claims.

Inventor : Yong Tae Kim  
Appl. No. : 16/045,566  
Filed : July 25, 2018  
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Docket No.: 128205-8002.US00

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

#### ASSIGNMENT

I hereby assign to ghitech Co., Ltd., a corporation of Republic of Korea, having a place of business at #303, 52, Wi city 3-ro, Ilsandong-hu, Goyang-si, Gyeonggi-do, 10323, Republic of Korea, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by me, entitled *NUCLEIC ACID COMPLEX PAIR AND TARGET DETECTION METHOD USING THEREOF*, filed on July 25, 2018, and assigned U.S. Application Number 16/045,566. I authorize and request an attorney appointed in said application to hereafter insert above the filing date and application number of said application when known.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design

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registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration in accordance with the aforementioned employment agreement.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to nbiootech Co., Ltd. as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

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**PATENT**  
**REEL: 048210 FRAME: 0699**

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I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Full name of inventor: YONG TAE KIM

Inventor's signature: Yong Tae Kim

Date: 2018. 7. 23

The Assignee hereby acknowledges the assignment. The undersigned is authorized to act on behalf of the Assignee.

Authorized officer's legal name: \_\_\_\_\_

Authorized officer's title: \_\_\_\_\_

Authorized officer's signature: \_\_\_\_\_

Date: \_\_\_\_\_

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