506034219 04/28/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT				
NATURE OF CONVEYANCE	YANCE: ASSIGNMENT			
CONVEYING PARTY DATA				
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WON GU KIM		04/08/2020		
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State/Country: KC	KOREA, REPUBLIC OF			
Postal Code: 440	44610			
PROPERTY NUMBERS Tota	al: 1			
Property Type	Number			
Application Number:	16233695			
CORRESPONDENCE DATA	N Contraction of the second seco			
Fax Number:	(010)/10 0292	(919)419-0383 o the e-mail address first; if that is unsuccessful, it will be sent		

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ATTORNEY DOCKET NUMBER: 3204/15 PCT/US

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NAME OF SUBMITTER:	CONSTANCE CHIA			
SIGNATURE:	/constance chia/			
DATE SIGNED:	04/28/2020			
Total Attachments: 4				
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<u>PATENT</u>

Atty. Docket No.: 3204/15 PCT/US

<u>ASSIGNMENT</u>

WHEREAS, we, Kyunggon Kim of Seoul, Republic of Korea; and Won Gu Kim of Seoul, Republic of Korea (hereinafter "Assignors"), have invented certain new and useful improvements in COMPOSITION FOR DIAGNOSING FOLLICULAR THYROID CARCINOMA USING EXPRESSION LEVEL OF AMINOACYL-TRNA SYNTHETASE-RELATED PROTEIN AND METHOD FOR DETECTING DIAGNOSTIC MARKER (hereinafter "Invention") for which application for a U.S. Patent was made on December 27, 2018 as Application Serial No. 16/233,695, and claims priority to International Patent Application No. PCT/KR2017/007042 filed July 3, 2017, which claims priority to Republic of Korea Patent Application No. 1020160083361 filed July 1, 2016 (hereinafter "Applications").

AND, WHEREAS, THE ASAN FOUNDATION, a corporation duly organized and existing under the laws of the country of Republic of Korea, having its principal office and place of business at (Pungnap-dong) 88, Olympic-ro 43-gil, Songpa-gu, Seoul, 05505, Republic of Korea; and UNIVERSITY OF ULSAN FOUNDATION FOR INDUSTRY COOPERATION, a corporation duly organized and existing under the laws of the country of Republic of Korea, having its principal office and place of business at (Mugeo-dong) 93, Daehak-ro, Nam-gu, Ulsan, 44610, Republic of Korea (hereinafter "Assignees"), are desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignees, their successors and assigns, their entire right, title and interest in and to the Invention and Applications, and in and to any and all U.S. and foreign patent applications filed on the Invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Patents of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon (hereinafter, "Patents"), for the full end of

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Application Serial No.: 16/233,695

the term for which said Patents may be granted, together with their right to claim the priority of the Applications in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, the same to be held and enjoyed by said Assignees, their successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made. It is expressly agreed by Assignors and Assignees that this Assignment fully conveys and transfers from Assignors to Assignees the right to sue for any and all patent infringement occurring prior to the date of this Assignment.

Assignors hereby request that said Patents be issued in accordance with this Assignment

Assignors further covenant and agree that, at the time of the execution and delivery of these presents. Assignors possess the unencumbered right and authority to make this Assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignees or their representatives any facts known to them relating to the Invention, to testify and/or assist as requested by the Assignees in any interference or legal proceedings involving the Applications, Patents, or Invention, including cooperating in any enforcement proceedings involving the Applications, Patents, or Invention, Patents, or Invention, to execute any additional papers which may be requested to confirm the right of the Assignees, their representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignees complete title to the Invention and Patents, without further compensation, but at the expense of said Assignees, their successors, assigns and other legal representatives.

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PATENT REEL: 052509 FRAME: 0551

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Application Senal No.: 16/233,695

Executed this8da	ay of <u>April</u> 21	0 <u>20</u>
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~~~~~ Kyunggon Kim

Witnessed by:

| Ŕ    | 5a.K           |                  |
|------|----------------|------------------|
| Name | Seot Mali KIM  | Date Apr-D, 2020 |
|      | <u>_Khr</u>    |                  |
| Name | Here Sook Lere | Date Apr 8,2020  |

#### \* \* \* \* \* \* \* \* \* \*

Executed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_.

Won Gu Kim

Witnessed by:

Name

Date

Name

Date

\* \* \* \* \* \* \* \* \* \*

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Application Serial No.: 16/233,695

| Executed this                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | day of          |              | _ 20    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 | Kyunggon Kim |         |
| Witnessed by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |              |         |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Date            |              |         |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Date            | ~            |         |
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| Executed this $\mathcal{S}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | day of          | <u>April</u> | 20_2_2  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 | Won Gu Kim   | <u></u> |
| Witnessed by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |              |         |
| Name Seok Mahn KIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |              |         |
| and the second se |                 |              |         |
| Name Here Sook Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Date Apr 8      | Jood         |         |

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RECORDED: 04/28/2020