504651641 11/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4698362

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| JOO YOUNG LEE | 11/14/2017 |
| GABSIK YANG | 11/20/2017 |

RECEIVING PARTY DATA

| Name: | THE CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION |
|-----------------|---|
| Street Address: | 222, BANPO-DAERO, SEOCHO-GU |
| City: | SEOUL |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 06591 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15562894 | |

CORRESPONDENCE DATA

Fax Number: (866)613-4037

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.

Phone: 7033506181

Email: mail@revolutioniplaw.com
Correspondent Name: REVOLUTION IP, PLLC

Address Line 1: 1940 DUKE ST.
Address Line 2: SUITE 200

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 2280-175 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | HYUN YONG LEE |
| SIGNATURE: | /Hyun Yong Lee/ |
| DATE SIGNED: | 11/20/2017 |

Total Attachments: 4

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PATENT 504651641 REEL: 044186 FRAME: 0595

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PATENT REEL: 044186 FRAME: 0596

Attomeys At Law

Attorney Docket No.: 2280-175

Client Docket No.: AOP-2017-0074/US

ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

| Title of Invention: | COMPOSITION FOR PREVENTING OR TREATING ATOPIC DERMATITIS COMPRISING X-SHAPE DNA STRUCTURE AS ACTIVE INGREDIENT |
|------------------------|--|
| As | a below named inventor and Assignor, I declare that: |
| This | assignment and declaration are directed to: |
| | The attached application, or |
| | United States application or PCT international application number PCT/KR2016/003595 filed on April 06, 2016 |

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

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

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

THE CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION

222, Banpo-daero, Seocho-gu, Seoul 06591, Republic of Korea

THE CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or

Inventor's and Assignor's Name:

Altorneys At Law

Attorney Docket No.: 2280-175

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substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

LEE, Joo Young

| Address: | 107-1201, 22, Dogok-ro 78-gil, Gangnam-gu, Seoul 06279, Republic of Korea | | |
|--------------------------------------|--|--|--|
| | | | |
| Inventor's and Assignor's Signature: | | | |
| | | | |
| | | | |
| Date: | 2010-11-14 | | |

Attomeys At Law

Attorney Docket No.: 2280-175

Client Docket No.: AOP-2017-0074/US

ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

| Title of Invention: | COMPOSITION FOR PREVENTING OR TREATING AT COMPRISING X-SHAPE DNA STRUCTURE AS ACTIVE | TOPIC DERMATITIS E INGREDIENT |
|------------------------|--|----------------------------------|
| Asa | below named inventor and Assignor, I declare that: | |
| This | assignment and declaration are directed to: | |
| | The attached application, or | |
| | United States application or PCT international application PCT/KR2016/003595 filed on April 06, 2016 | n number |
| | | |

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

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Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

THE CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION

222, Banpo-daero, Seocho-gu, Seoul 06591, Republic of Korea

THE CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or

Attomeys At Law

Attorney Docket No.: 2280-175

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substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

Inventor's and Assignor's Name:

YANG, Gabsik

Address:

#901, 47-10, Mokdongjungang-ro, Yangcheon-gu,

Seoul 07964, Republic of Korea

Inventor's and Assignor's Signature:

20. Nov , 2017

Date: