PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3057615

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--|----------------|
| INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PUSAN NATIONAL UNIVERSITY | 09/25/2014 |

RECEIVING PARTY DATA

| Name: | SILLAJEN, INC. |
|-------------------|---|
| Street Address: | 307 HYOWON IC BLDG., PUSAN NATIONAL UNIVERSITY SAN 30 |
| Internal Address: | 63 BEON-GIL GEUMJEONG-GU |
| City: | BUSAN |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 609-735 |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|---------------------|--------------|
| PCT Number: | US2012020173 |
| Application Number: | 13978113 |

CORRESPONDENCE DATA

Fax Number: (312)324-1001

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: (312) 324-1772

Email: dkozlowski@morganlewis.com DAVID W. CLOUGH, PH.D. **Correspondent Name:**

Address Line 1: MORGAN, LEWIS & BOCKIUS LLP

Address Line 2: 77 WEST WACKER DRIVE Address Line 4: CHICAGO, ILLINOIS 60601-5094

| ATTORNEY DOCKET NUMBER: | 020448-5016 US | |
|-------------------------|------------------------|--|
| NAME OF SUBMITTER: | DAVID W. CLOUGH, PH.D. | |
| SIGNATURE: | /David W. Clough/ | |
| DATE SIGNED: | 10/08/2014 | |

Total Attachments: 2

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REEL: 033913 FRAME: 0692

PATENT

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ASSIGNMENT

WHEREAS, INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PUSAN NATIONAL UNIVERSITY, a non-profit academic health research institute, organized and existing under the laws of Korea, having a place of business at Busan National University 30 San Jangjeon-dong Geumjeong-gu, Busan 609-735, Korea (referred to hereinafter as an "Assignor") assigns their right, title, and interest in the invention disclosed, described, and/or claimed herein, entitled "GENERATION OF ANTIBODIES TO TUMOR ANTIGENS AND GENERATION OF TUMOR SPECIFIC COMPLEMENT DEPENDENT CYTOTOXICITY BY ADMINISTRATION OF ONCOLYTIC VACCINIA VIRUS" (hercinafter, the "Invention") as described in International Patent Application No. PCT/US2012/020173, filed January 4, 2012 and U.S. Patent Application No. 13/978,113, filed July 2, 2013 (hereinafter, the "Applications"); and

WHEREAS, SILLAJEN, INC., a corporation, organized and existing under the laws of Korea, having a place of business at 307 Hyowon IC Bldg. Pusan National University San 30, Jangjeon-dong Geumjeong-gu, Busan 609-735, Korea, together with any successors, assigns, and legal representatives thereof (hereinafter, called the "Assignee") is desirous of acquiring the entire right, title and interest, for all countries, in and to said Invention and Applications.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, each Assignor hereby sells, assigns, transfers and conveys unto Assignee the entire right, title and interest of such Assignor in and to said Invention and Applications, and all divisions, renewals and continuations thereof, and any and all Letters Patent of the United States which may be granted thereon, and all reissues, reexaminations, and extensions thereof, and all priority rights under all available international agreements, treaties and conventions for the protection of intellectual property in its various forms in every participating country, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and each Assignor hereby authorizes and requests the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate;

AND the Assignor hereby authorizes and empowers the Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from such Assignor;

AND the Assignor hereby consents that a copy of this Assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it;

AND the Assignor hereby covenants that such Assignor has the full right to convey the right, title and interest herein assigned and that such Assignor has not executed and will not execute any agreement in conflict herewith;

AND the Assignor hereby covenants and agrees that such Assignor will communicate to Assignee or nominees all facts known to such Assignor pertaining to the Invention, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid Assignee or nominee in obtaining, maintaining and enforcing all lawful patent or other grants of protection of the Invention in any and all countries and regions.

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PATENT REEL: 033913 FRAME: 0694 IN TESTIMONY WHEREOF, this Assignment is executed by Assignor on the date opposite the signature of Assignor.

INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PUSAN NATIONAL UNIVERSITY

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|---|-------------|
| Authorized Signatory | Date |
| SEONG-GEUN KIM Printed Name of Authorized Signatory | |
| Team Manager Title of Authorized Signatory | |
| Title of Authorized Signatory | |
| | |
| | |
| Witnesses: | |
| | |
| 17332 | 2014-09-30 |
| [Signature] | Date |
| PARK, Dong Hyoun. | |
| [Print Name] | |
| | |
| Smith | 2014-09-30 |
| [Signature] | Date |
| BAE, JI-HYUN | |
| [Print Name] | |

[SIGNATURE PAGE TO ASSIGNMENT]

RECORDED: 10/08/2014

PATENT REEL: 033913 FRAME: 0695