504368474 05/16/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4415167

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| JASPER CLUBE | 05/03/2017 |
| CHRISTIAN GRONDAHL | 05/14/2017 |

RECEIVING PARTY DATA

| Name: | SNIPR TECHNOLOGIES LIMITED | |
|-------------------|----------------------------|--|
| Street Address: | KEMP HOUSE | |
| Internal Address: | 152 CITY ROAD | |
| City: | LONDON | |
| State/Country: | UNITED KINGDOM | |
| Postal Code: | EC1V 2NX | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15478912 | |

CORRESPONDENCE DATA

Fax Number: (617)345-1300

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.

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Email: tobrien@nixonpeabody.com, bostonpatent@nixonpeabody.com

Correspondent Name: DAVID S. RESNICK
Address Line 1: NIXON PEABODY LLP
Address Line 2: 100 SUMMER STREET

Address Line 4: BOSTON, MASSACHUSETTS 02110-2131

| ATTORNEY DOCKET NUMBER: | 076311-087142-CIP |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | NICOLE D. KLING |
| SIGNATURE: | /Nicole D. Kling/ |
| DATE SIGNED: | 05/16/2017 |

Total Attachments: 6

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PATENT 504368474 REEL: 042387 FRAME: 0234

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PATENT REEL: 042387 FRAME: 0235

Attorney Docket No.: 076311-087142-CIP

ASSIGNMENT

WHEREAS WE, Jasper CLUBE, Christian GRØNDAHL and Morten SOMMER ("ASSIGNORS") have invented new and useful improvements in ALTERING MICROBIAL POPULATIONS & MODIFYING MICROBIOTA, for which we have executed an application for Letters Patent in the United States, filed as U.S. Patent Application Serial No. 15/478,912 on April 4, 2017 and naming us as inventors, which application is a Continuation-in-Part of U.S. Patent Application Serial No. 15/460,962, filed March 16, 2017, which is a Continuation of U.S. Patent Application Serial No. 15/160,405, filed May 20, 2016,

AND WHEREAS **SNIPR TECHNOLOGIES LIMITED** ("ASSIGNEE"), with its principal place of business at **Kemp House**, **152 City Road**, **London EC1V 2NX**, **GB**, desires to acquire the entire right, title and interest in and to the said improvements and the said application,

NOW, THEREFORE, WE, the ASSIGNORS confirm that:

- (i) inventors Jasper CLUBE and Christian GRØNDAHL have sold, assigned and transferred to ASSIGNEE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the said application and any subsequent non-provisional applications including a PCT application claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority in and to all Letters Patent to be obtained for said improvements by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and do hereby sell, assign and transfer to the successor, assigns and legal representatives of the ASSIGNEE;
- (ii) inventor Morten SOMMER has sold, assigned and transferred to SNIPR BIOME LIMITED, with its principal place of business at Suite B, The Stables, 2 Station Road, Great Shelford, Cambridge, CB22 5LR, United Kingdom, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the said application and any subsequent non-provisional applications including a PCT application claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority in and to all Letters Patent to be obtained for said improvements by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and does hereby sell, assign and transfer to the successor, assigns and legal representatives of SNIPR BIOME LIMITED; and
- (iii) SNIPR BIOME LIMITED has sold, assigned and transferred to ASSIGNEE, SNIPR TECHNOLOGIES LIMITED, for good and valuable consideration, the receipt of which is hereby acknowledged, the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the said application and any subsequent non-provisional applications including a PCT application claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority in and to all Letters Patent to be obtained for said improvements by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and does hereby sell, assign and transfer to the successor, assigns and legal representatives of SNIPR TECHNOLOGIES LIMITED;

AND ASSIGNORS HEREBY covenant and agree that we will communicate to the said SNIPR TECHNOLOGIES LIMITED, its successors, legal representatives and assigns, any facts known to us representing said improvements and testify in any legal proceeding, sign all lawful papers, execute all

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divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said SNIPR TECHNOLOGIES LIMITED, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

The undersigned herby grant the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| ASSI | CN | MRS | |
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| day 01 | , 20 <u>14</u> . | , inventor, hereunto set my signature this |
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| • | | JASPER CLUBI |
| | Ni | |
| Witness Signature: | Phlen | Date: 3/5/17 |
| Witness Printed Name: | PKLEN PAMELA KEEN | _ |
| IN TESTIMON? | Y WHEREOF, I, CHRISTIAN GR of, 20 | ØNDAHL, inventor, hereunto set my |
| | | CHRISTIAN GRØNDAHI |
| Witness Signature: | | Date: |
| Witness Printed Name: | | - |
| IN TESTIMON day of | | MER, inventor, hereunto set my signature thi |
| | | MORTEN SOMME |
| Witness Signature: | | Date: |
| Witness Printed Name: | | _ |
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PATENT REEL: 042387 FRAME: 0237

| IN TESTIMONY WHEREOF, I, CHRISTIAN SNIPR BIOME LIMITED, hereunto set my signature t | |
|---|---|
| | CHRISTIAN GRØNDAHL Director SNIPR BIOME LIMITED |
| Witness Signature: | Date: |
| Witness Printed Name: | |

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ASSIGNMENT

WHEREAS WE, Jasper CLUBE, Christian GRØNDAHL and Morten SOMMER ("ASSIGNORS") have invented new and useful improvements in ALTERING MICROBIAL POPULATIONS & MODIFYING MICROBIOTA, for which we have executed an application for Letters Patent in the United States, filed as U.S. Patent Application Serial No. 15/478,912 on April 4, 2017 and naming us as inventors, which application is a Continuation-in-Part of U.S. Patent Application Serial No. 15/460,962, filed March 16, 2017, which is a Continuation of U.S. Patent Application Serial No. 15/160,405, filed May 20, 2016,

AND WHEREAS SNIPR TECHNOLOGIES LIMITED ("ASSIGNEE"), with its principal place of business at Kemp House, 152 City Road, London ECIV 2NX, GB, desires to acquire the entire right, title and interest in and to the said improvements and the said application,

NOW, THEREFORE, WE, the ASSIGNORS confirm that:

- (i) inventors Jasper CLUBE and Christian GRØNDAHL have sold, assigned and transferred to ASSIGNEE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the said application and any subsequent non-provisional applications including a PCT application claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority in and to all Letters Patent to be obtained for said improvements by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and do hereby sell, assign and transfer to the successor, assigns and legal representatives of the ASSIGNEE;
- (ii) inventor Morten SOMMER has sold, assigned and transferred to SNIPR BIOME LIMITED, with its principal place of business at Suite B, The Stables, 2 Station Road, Great Shelford, Cambridge, CB22 SLR, United Kingdom, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the said application and any subsequent non-provisional applications including a PCT application claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority in and to all Letters Patent to be obtained for said improvements by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and does hereby sell, assign and transfer to the successor, assigns and legal representatives of SNIPR BIOME LIMITED; and
- (iii) SNIPR BIOME LIMITED has sold, assigned and transferred to ASSIGNEE, SNIPR TECHNOLOGIES LIMITED, for good and valuable consideration, the receipt of which is hereby acknowledged, the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the said application and any subsequent non-provisional applications including a PCT application claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority in and to all Letters Patent to be obtained for said improvements by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and does hereby sell, assign and transfer to the successor, assigns and legal representatives of SNIPR TECHNOLOGIES LIMITED;

AND ASSIGNORS HEREBY covenant and agree that we will communicate to the said SNIPR TECHNOLOGIES LIMITED, its successors, legal representatives and assigns, any facts known to us representing said improvements and testify in any legal proceeding, sign all lawful papers, execute all

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divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said SNIPR TECHNOLOGIES LIMITED, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

The undersigned herby grant the law firm of Nixon Penbody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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| IN TESTIMONY WHEREOF, I, JASPER CLUBE, in:day of | ventor, hereumio set my signature this |
|---|---|
| | JASPER CLUBE |
| Vitness Signature: | Date: |
| Vitness Printed Name: | |
| | 7 |
| IN TESTIMONY WHEREOF, I, CHRISTIAN GRØN gnature this 44 day of 744 2017 | DAHL, inventor, hereumto par my |
| M. L.II | CHRISTIAN GRØNDAHL |
| itness Signature: / W/// | Date: 14/5/14 |
| iness Primed Name: <u>Gleun A Friedrich</u> | • • |
| / | R, inventor, hereunto set my signature this |
| (day of | MONTEN SOMMER |
| /Itness Signature: | Date: 15 16/2 |
| Vitness Printed Name: <u>(7776-1462/14144.</u> 7 | |

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IN TESTIMONY WHEREOF, I, CHRISTIAN GRØNDAHL, Director, for and on behalf of SNIPR BIOME LIMITED, bereunto set my signature this 仏 day of 442

CHRISTIÁN GRØNDAHL

Director

SNIPR BIOME LIMITED

Witness Signature:

Witness Printed Name:

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RECORDED: 05/16/2017

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