

PATENT ASSIGNMENT COVER SHEET

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|---|----------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| IAN DONALD GATES | 04/03/2023 |
| JINGYI WANG | 04/03/2023 |
| RECEIVING PARTY DATA | |
| Name: | SOLIDEUM INC. |
| Street Address: | 809 - 210 15 AVE SE |
| City: | CALGARY |
| State/Country: | CANADA |
| Postal Code: | T2G 0B5 |
| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Application Number: | 17637231 |
| Application Number: | 17637218 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <i>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.</i> | |
| Phone: | 248-433-7200 |
| Email: | krusso@dickinsonwright.com |
| Correspondent Name: | DICKINSON WRIGHT PLLC |
| Address Line 1: | 2600 W. BIG BEAVER RD., STE. 300 |
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| ATTORNEY DOCKET NUMBER: | 66189-70037/70038 |
| NAME OF SUBMITTER: | BRYAN J. SCHOMER |
| SIGNATURE: | /BRYAN J. SCHOMER/ |
| DATE SIGNED: | 06/12/2023 |
| Total Attachments: 3 | |
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| source=Executed Assignment_to Solideum#page2.tif | |
| source=Executed Assignment_to Solideum#page3.tif | |

ASSIGNMENT

WHEREAS,

Ian Donald GATES of 90 Arbour Lake Drive NW, Calgary, Alberta, T3G 4N7, Canada, and
Jingyi WANG of 191 Springbluff Heights SW, Calgary, Alberta, T3H 5B8, Canada

(“ASSIGNOR(S)”)

have invented an invention(s), (the “Invention(s)”) for which the following patent and/or utility model application(s) have been filed:

United States Patent Application No. 62/891,135, filed on August 23, 2019, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

United States Patent Application No. 62/891,141, filed on August 23, 2019, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

International Application No. PCT/CA2020/051150, filed on August 21, 2020, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

International Application No. PCT/CA2020/051152, filed on August 21, 2020, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

Canadian Patent Application No. 3,148,164, filed on August 21, 2020, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

Canadian Patent Application No. 3,148,509, filed on August 21, 2020, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

United States Patent Application No. 17/637,231, filed on August 21, 2020, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

United States Patent Application No. 17/637,218, filed on August 21, 2020, and entitled
SEPARATION OF VISCOUS OILS INTO COMPONENTS;

AND WHEREAS, SOLIDEUM INC. having a business address at 809 - 210 15 Ave SE, Calgary, Alberta, T2G 0B5, Canada (“ASSIGNEE(S)”) are desirous of confirming that ASSIGNEE(S) have acquired and had assigned to ASSIGNEE(S), and by way of further assurances are desirous of acquiring and having assigned to ASSIGNEE(S), the full right, title, and interest of ASSIGNOR(S) in and to the Invention(s) and in and to any and all applications and/or Letters Patent that may be granted therefor in any and all countries and jurisdictions.

NOW, THEREFORE, in consideration of the foregoing premises, and of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which ASSIGNOR(S) hereby acknowledge, ASSIGNOR(S) confirm having sold, assigned, and transferred absolutely, at least as of August 23, 2019, and by way of further assurances do hereby sell, assign, and transfer absolutely, to ASSIGNEE(S) the full and exclusive right, title, and interest of ASSIGNOR(S) in and to:

- (a) the Invention(s) worldwide;
 - (b) any and all patent and utility model applications for the Invention(s) in all countries and jurisdictions and under all conventions and treaties, including the right to claim for any and all applications any priority rights to which such applications are entitled under conventions, treaties, or otherwise, and all divisions, extensions, continuations, continuations-in-part, provisionals, non-provisionals, substitutions, and renewals thereof (collectively, the "Patent Applications");
 - (c) any and all Letters Patent that may be granted for the Patent Applications in any and all countries and jurisdictions, including without limitation any renewals, reissues, re-examinations, and/or extensions thereof (collectively, the "Letters Patent"); and
 - (d) the exclusive right to bring or participate in any proceeding for past, present or future infringement or any other actionable right under any or all of the foregoing and to receive all remedies that arise therefrom, to the end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR(S) had this Assignment not been made;
- (collectively, the "Patent Rights").

ASSIGNOR(S) authorize and request the patent offices in all countries and jurisdictions to issue any and all of the Letters Patent, when granted, to ASSIGNEE(S) or successors or assigns of ASSIGNEE(S).

ASSIGNOR(S) represent that ASSIGNOR(S) have not executed any agreement or assignment in conflict with this Assignment. Furthermore, ASSIGNOR(S) shall not execute any agreement or assignment in conflict with this Assignment.

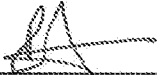
ASSIGNOR(S) shall, each time upon request by ASSIGNEE(S) or legal representatives, successors, nominees or assigns of ASSIGNEE(S), without delay and without further consideration, but at the expense of ASSIGNEE(S): communicate to ASSIGNEE(S) or legal representatives, successors, nominees or assigns of ASSIGNEE(S) any facts known to ASSIGNOR(S) respecting the Patent Rights; testify in any legal proceeding; sign all lawful papers; execute all papers relating to any and all of the Patent Applications and the Letters Patent; execute all necessary assignment papers to cause any and all of the Letters Patent to be issued to ASSIGNEE(S) or successors or assigns of ASSIGNEE(S); make all rightful oaths; and generally do everything possible to aid ASSIGNEE(S) or legal representatives, successors, nominees or assigns of ASSIGNEE(S) to obtain, vest, register, record, confirm, maintain, perfect, prove, enforce and/or defend the Patent Rights in any and all countries and jurisdictions.

ASSIGNOR(S) and ASSIGNEE(S) authorize the firm of Gowling WLG (Canada) LLP to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

ASSIGNOR(S) and ASSIGNEE(S) agree that: this Assignment may be executed and delivered in any number of counterparts and each executed counterpart shall be deemed to be an original and such counterparts will together constitute one and the same Assignment; and delivery of

this Assignment by facsimile, e-mail, or functionally equivalent electronic transmission constitutes valid and effective delivery.

Execution by ASSIGNOR(S):

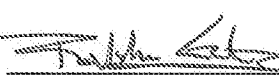
By: 
(Signature)

Name: Ian Donald GATES

Date: April 3, 2023

At: Calgary, AB Canada
(City and Country where Executed and Witnessed)

WITNESS:

By: 
(Signature)

Name: Raksha Gates

Execution by ASSIGNOR(S):

By: 
(Signature)

Name: Jingyi WANG

Date: April 3, 2023


At: Calgary, AB Canada
(City and Country where Executed and Witnessed)

WITNESS:

By: 
(Signature)

Name: Raksha Gates

Execution by ASSIGNEE(S):

By: 
(Signature)

Name: IAN GATES

Job Title*: COO, Solidium
(*Include when signing for company and be more specific than "Authorized Representative")

Date: April 3, 2022

At: Calgary, AB Canada
(City and Country where Executed and Witnessed)

WITNESS:

By: 
(Signature)

Name: Raksha Gates