

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7361363

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VARUN GANESH	05/08/2022
SAIYANG GOU	05/09/2022
PRASANNA RAJAPERUMAL	05/10/2022
WENHAO SONG	05/06/2022
LIBO WANG	05/06/2022
JIAQI YAN	05/06/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SNOWFLAKE INC.
<b>Street Address:</b>	SUITE 3A, 106 EAST BABCOCK STREET
<b>City:</b>	BOZEMAN
<b>State/Country:</b>	MONTANA
<b>Postal Code:</b>	59715
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17661545
Application Number:	63266256
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	5397.156US1
<b>NAME OF SUBMITTER:</b>	ERIKA WATKINS
<b>SIGNATURE:</b>	/ Erika Watkins /
<b>DATE SIGNED:</b>	06/02/2022
<b>Total Attachments: 9</b>	

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 5397.156US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Varun Ganesh, Saiyang Gou, Prasanna Rajaperumal,  
Wenhao Song, Libo Wang, Jiaqi Yan

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of conveyance:

Assignment       Merger  
 Security Agreement    Change of Name  
 Other

Execution Date: May 8, 2022, May 9, 2022, May 10,  
2022, May 6, 2022, May 6, 2022, May 6, 2022

2. Name and address of receiving party(ies):

Name: Snowflake Inc.

Street Address: Suite 3A, 106 East Babcock Street

City: Bozeman State: MT Zip: 59715

Country: United States of America

Additional name(s) & address(es) attached?  Yes  
 No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 17/661,545  
63/266,256

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Christopher J. Brittain

Address:

Schwegman Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

Enclosed

Authorized to be charged to deposit account  
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Christopher J. Brittain/Reg. No. 67,497

Name of Person Signing

/ Christopher J. Brittain

Signature

May 27, 2022

Date

Total number of pages including cover sheet: 9

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**  
**Mail Stop Assignment Recordation Services**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**PATENT**  
**REEL: 060079 FRAME: 0674**

Attorney Docket No. 5397.156US1  
Client Ref. No. SFO-0181US1

### ASSIGNMENT

WHEREAS, Varun Ganesh, Saiyang Gou, Prasanna Rajaperumal, Wenhao Song, Libo Wang and Jiaqi Yan (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on April 29, 2022, assigned US application serial number 17/661,545, and titled MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM and as described in a provisional patent application filed on December 30, 2021 assigned United States application serial number 63/266,256, and titled CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Snowflake Inc. (the "Assignee"), a corporation of the State of Delaware, having addresses listed at <https://www.snowflake.com/legal/snowflake-contracting-entities>, including: Suite 3A, 106 East Babcock Street, Bozeman, Montana 59715, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 164795 may (directly or through his/her designee) delete, insert, or alter any

**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

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information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

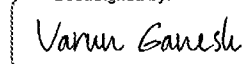
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Docket No: 5397.156US1  
Client Ref. No. SFO-0181US1

**Assignor:**

(Signature):

DocuSigned by:  
  
66C011B117F245B...

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Name: Varun Ganesh

City/State or Country: San Bruno, CA

May 8, 2022 | 3:36 PM PDT

Date: \_\_\_\_\_

**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

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**Assignor:**

(Signature):

DocuSigned by:  
*Saiyang Gou*  
572C363890C34E5...

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Name: Saiyang Gou

City/State or Country: Los Angeles, CA

May 9, 2022 | 11:23 AM PDT

Date:

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**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

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Client Ref. No. SFO-0181US1

**Assignor:**

(Signature):

DocuSigned by:  
*Prasanna Rajaperumal*  
BECC385C45F24A1...

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Name: Prasanna Rajaperumal

City/State or Country: San Mateo, CA

May 10, 2022 | 5:57 PM PDT

Date:

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**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

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**Assignor:**

(Signature):

DocuSigned by:  
Wenhao Song  
E1FBDAE657CA431

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Name: Wenhao Song

City/State or Country: Seattle, WA

May 6, 2022 | 7:57 PM PDT

Date:

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**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

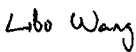
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Client Ref. No. SFO-0181US1

**Assignor:**

(Signature):

DocuSigned by:  
  
247D08F48E394EE...

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Name: Libo Wang

City/State or Country: Foster City, CA

May 6, 2022 | 6:01 PM PDT

Date: \_\_\_\_\_

**Assignment**

Assignors: Varun Ganesh et al.

Title: MAINTENANCE OF CLUSTERED MATERIALIZED VIEWS ON A DATABASE SYSTEM

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Docket No: 5397.156US1  
Client Ref. No. SFO-0181US1

**Assignor:**

(Signature):

DocuSigned by:  
*Jiaqi Yan*  
3E700A50CD65443

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Name: **Jiaqi Yan**

City/State or Country: **Menlo Park, CA**

May 6, 2022 | 6:07 PM PDT

Date:

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