507672315 12/30/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7719454

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MUZAMMIL AHMED	02/18/2021
JOHN JENSEN	02/18/2021
MICHEL KHRISTO	02/18/2021
SIVAKUMAR LOGANATHAN	02/18/2021
PATRICK MANDIA	02/18/2021
JUN XU	02/18/2021
AUSTIN YEAKEL	02/18/2021

RECEIVING PARTY DATA

Name:	SNAP INC.
Street Address:	3000 31ST STREET
City:	SANTA MONICA
State/Country:	CALIFORNIA
Postal Code:	90405

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17249191

CORRESPONDENCE DATA

Fax Number:

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.

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	4218.A77US1	
NAME OF SUBMITTER:	MICHELLE RED BEAR	
SIGNATURE:	/Michelle Red Bear/	
DATE SIGNED:	12/30/2022	

PATENT 507672315 REEL: 062243 FRAME: 0878

Total Attachments: 10
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RECORDATION FORM COVER SHEET PATENTS ONLY

Form PTO-1595 (Rev. 6-18) OMB No. 0651-0027 (exp. 10/31/2024) U.S. Department of Commerce United States Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please re	cord the attached docum	nents or the new address(es) below.	
1. Name of conveying party(ies):	2. Name and ad	2. Name and address of receiving party(ies):	
Muzammil Ahmed, John Jensen, Michel Khristo,	Name:	Snap Inc.	
Sivakumar Loganathan, Patrick Mandia, Jun Xu, Austin Yeakel	Street Address: City: State/Province: Zip: Country:	3000 31st Street	
Additional name(s) of conveying party(ies) attached?		Santa Monica	
[]Yes [X]No3. Nature of conveyance/Execution Date(s):			
		90405	
Execution Date(s): February 18, 2021, February 18, 2021, February 18, 2021, February 18, 2021, February		United States of America	
18, 2021, February 18, 2021, February 18, 2021, February 18, 2021	•	(s) & address(es) attached?	
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Joint Research Agreement [] Government Interest Assignment [] Executive Order 9424, Confirmatory License [] Other			
 4. Application number(s) or patent number(s): [] This doc A. Patent Application No.(s) Serial No. 17/249,191 Additional numbers attached? []Yes [X]No 		ath/Declaration (37 CFR 1.63) B. Patent No.(s)	
5 Name and address of newtone whom assured and	6. Total number of applications and patents involved: 1		
5. Name and address of party to whom correspondence concerning document should be mailed:	7. Total fee (37 CFR 1.21(h) & 3.41): \$ <u>0.00</u>		
Name: Nathan P. Elder	[]Authoriz	zed to be charged to deposit account 19-	
Address: Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, Minnesota 55402 Phone Number: (408) 660-2014 Docket Number: 4218.A77US1 Email Address: request@slwip.com	affecting to affecting to affect the second affecting to a second affect the second affecting to a second affect a second affecting to a second affect a sec	equired (government interest not title)	
9. Signature:			
Nathan P. Elder/Reg. No. 55,150 Name of Person Signing Total number of pages including the state of p	Signature ng cover sheet, attach	Dec 30, 2022 Date ments, and documents: 10	
Total number of pages merudi	ing cover shoet, attach	mono, and documents. 10	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Muzammil Ahmed, John Jensen, Michel Khristo, Sivakumar Loganathan, Patrick Mandia, Jun Xu and Austin Yeakel (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 February 23, 2021, assigned US application serial number 17/249,191, and titled BIDIRECTIONAL BRIDGE FOR WEB VIEW and as described in a provisional patent application filed on June 10, 2020 assigned United States application serial number 62/705,093, and titled BIDIRECTIONAL BRIDGE FOR WEB VIEW.

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 Snap Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 2772 Donald Douglas Loop North, Santa Monica, CA 90405, 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. 144407 may (directly or through his/her designee) delete, insert, or alter any

Assignment

Assignors: Muzammil Ahmed et al.

Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW

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Docket No: 4218.A77US1

Client Ref. No. P01602-US1

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: Muzammil Ahmed et al.
Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW

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Docket No: 4218.A77US1 Client Ref. No. P01602-US1

Assignor:

(Signature): /

Name: Muzammil Ahmed

City/State or Country: Los Angeles, CA

Date: Feb 18, 2021

Assignment Docket No: 4218.A77US1 Assignors: Muzammil Ahmed et al.
Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW Client Ref. No. P01602-US1

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Feb 18, 2021

Date:

Assignor: John Jensen (Signature): / Name: John Jensen City/State or Country: Santa Monica, CA

Assignment Docket No: 4218.A77US1 Assignors: Muzammil Ahmed et al.
Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW Client Ref. No. P01602-US1

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Feb 18, 2021

Date:

Assignor: Michel Khristo (Signature): / Name: Michel Khristo City/State or Country: Santa Monica, CA

AssignmentDocket No: 4218.A77US1Assignors: Muzammil Ahmed et al.Client Ref. No. P01602-US1Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW

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Assignor:

(Signature): / Sivakumar Loganathan

Name: Sivakumar Loganathan

City/State or Country: San Francisco, CA

Date: Feb 18, 2021

AssignmentDocket No: 4218.A77US1Assignors: Muzammil Ahmed et al.Client Ref. No. P01602-US1Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW

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Assignor:

(Signature): Patrick Mandia

(Signature): / YALVICA MANAIA

Name: Patrick Mandia

City/State or Country: Venice, CA

Date: Feb 18, 2021

PATENT REEL: 062243 FRAME: 0887

/

Assignment Docket No: 4218.A77US1 Assignors: Muzammil Ahmed et al.
Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW Client Ref. No. P01602-US1

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Assignor:

Jun Xu (Signature): /

Name: Jun Xu

City/State or Country: Marina del Rey, CA

Feb 18, 2021 Date:

AssignmentDocket No: 4218.A77US1Assignors: Muzammil Ahmed et al.Client Ref. No. P01602-US1Title: BIDIRECTIONAL BRIDGE FOR WEB VIEW

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Assignor:

(Signature): / A.J. Yeakel

Name: Austin Yeakel

City/State or Country: Santa Monica, CA

Date: Feb 18, 2021

RECORDED: 12/30/2022