

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7736555

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL ASFAW	04/03/2019
DUNXU HU	07/23/2020
PATRICK TIMOTHY MCSWEENEY SIMONS	07/27/2020
VICTORIA LULU WANG LIMKETKAI	07/23/2020
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:	17303534
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>	
Email:	request@slwip.com
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	4218.735US3
NAME OF SUBMITTER:	CATINA JENSEN
SIGNATURE:	/CaTina Jensen/
DATE SIGNED:	01/11/2023
Total Attachments: 9	
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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 record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Michael Asfaw, Dunnu Hu, Patrick Timothy
McSweeney Simons, Victoria Lulu Wang Limketkai

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

Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): April 3, 2019, July 23, 2020, July 27,
2020, July 23, 2020

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

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

Name: Snap Inc.

Street: 3000 31st Street

Address: _____

City: Santa Monica

State/Province: CA

Zip: 90405

Country: United States of America

Additional name(s) & address(es) attached?

Yes No

4. Application number(s) or patent number(s): This document serves as an Oath/Declaration (37 CFR 1.63)

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 17/303,534

Additional numbers attached? Yes No

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

Name: Linh-Han H. Nguyen

Address:

Schwegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, Minnesota 55402

Phone Number: (408) 660-2981

Docket Number: 4218.735US3

Email Address: request@slwip.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41): \$0.00

Authorized to be charged to deposit account 19-0743

Enclosed

None required (government interest not affecting title)

8. Payment Information

Deposit Account No.: 19-0743

Authorized User Name: Linh-Han H. Nguyen

9. Signature:

Linh-Han H. Nguyen/Reg. No. 71,874

Name of Person Signing

/ [Signature]

Signature

Jan 10, 2023

Date

Total number of pages including cover sheet, attachments, and documents: 9

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

PATENT
REEL: 062343 FRAME: 0165

ASSIGNMENT

WHEREAS, Michael Asfaw (hereinafter the "Undersigned") has made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on March 29, 2019, assigned US application serial number 16/370,190, and titled HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO.

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 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

Assignor: Michael Asfaw

Title: HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO

Page 3 of 3

Docket No: 4218.735US1
Client Ref. No. P01045-US1

Assignor:

(Signature): / Michael Asfaw /

Name: Michael Asfaw

City/State or Country: Playa Del Rey, CA

Date: 4/3/2019

ASSIGNMENT

WHEREAS, Dunxu Hu, Patrick Timothy McSweeney Simons and Victoria Lulu Wang Limketkai (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 March 12, 2020, assigned PCT application serial number PCT/US2020/022311, and titled HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO and as described in a patent application filed on March 29, 2019 assigned United States application serial number 16/370,190, and titled HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO.

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

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: Dunxu Hu et al.

Title: HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO

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Docket No. 4218.735US1 and 4218.735WO1
Client Ref. No. P01045-US1 and P01045-WO1

Assignor:

(Signature): / *Dunxu Hu* /

Name: Dunxu Hu

City/State or Country: Venice, CA

Date: Jul 23, 2020

Assignment

Assignors: Dunxu Hu et al.

Title: HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO

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Docket No. 4218.735US1 and 4218.735WO1
Client Ref. No. P01045-US1 and P01045-WO1

Assignor:

(Signature): / *Tim Simons* /

Name: Patrick Timothy McSweeney Simons

City/State or Country: Downey, CA

Date: Jul 27, 2020

Assignment

Assignors: Dunxu Hu et al.

Title: HEAD-WEARABLE APPARATUS TO GENERATE BINAURAL AUDIO

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Docket No. 4218.735US1 and 4218.735WO1
Client Ref. No. P01045-US1 and P01045-WO1

Assignor:

(Signature):

/



/

Name: Victoria Lulu Wang Limketkai

City/State or Country: Santa Monica, CA

Date:

Jul 23, 2020