

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6375277

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	AVATAR MERGER SUB II, LLC	11/15/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SNAP INC.	
<b>Street Address:</b>	2772 DONALD DOUGLAS LOOP NORTH	
<b>City:</b>	SANTA MONICA	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	90405	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16299472
<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>Phone:</b>	6104163882	
<b>Email:</b>	adavis@cm.law	
<b>Correspondent Name:</b>	STEPHEN J. WEED - CULHANE MEADOWS PLLC	
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<b>Address Line 4:</b>	MALVERN, PENNSYLVANIA 19355	
<b>ATTORNEY DOCKET NUMBER:</b>	ANON-114US1 (4)	
<b>NAME OF SUBMITTER:</b>	STEPHEN J. WEED	
<b>SIGNATURE:</b>	/Stephen J. Weed/	
<b>DATE SIGNED:</b>	10/29/2020	
<b>Total Attachments: 4</b>		
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source=assignment-pat-Avatar_Sub_to_Snap#page4.tif		

## ASSIGNMENT

WHEREAS, Avatar Merger Sub II, LLC an entity organized and existing under and by virtue of the laws of Delaware, United States of America, and having an office and place of business at c/o 1600 TCF Tower, 121 south Eighth Street, Minneapolis, MN 55402, United States of America (hereinafter "Assignor"), is the owner of assets identified in Appendix A (hereinafter collectively "Patent Properties"), including all inventions and other subject matter described in the Patent Properties;

AND WHEREAS, Snap Inc., an entity organized and existing under and by virtue of the laws of Delaware, United States of America, and having an office and place of business at 63 Market Street, Venice, CA 90291, United States of America (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Patent Properties, including all inventions and other subject matter described therein, and any patent to be obtained in relation therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, the Assignor hereby:

ASSIGNS, CONVEYS AND TRANSFERS to the Assignee the Assignor's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

said Patent Properties, including 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 said Patent Properties;

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 said Patent Properties (including any application for a utility model or an innovation patent application);

the right to claim priority to said Patent Properties in relation to subject matter based in whole or in part on said Patent Properties and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and the right to all causes of action, remedies, and other enforcement rights related to said Patent Properties, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to said Patent Properties and any of the foregoing, including the right to obtain and collect damages and/or royalties due for past, present, or future infringement;

AUTHORIZES AND REQUESTS the issuing authority to issue any and all United States and foreign patents granted on said Patent Properties to the Assignee;

AUTHORIZES AND REQUESTS 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 said Patent Properties or any of the foregoing, after execution of this Assignment;

WARRANTS AND COVENANTS 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 Assignor, and that the full right to convey the same as herein expressed is possessed by the Assignor;

COVENANTS, 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 Assignor shall (1) secure cooperation from all present and former employees and/or inventors contributing or having contributed to the Patent Properties; (2) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Patent Properties; (3) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Patent Properties; (4) communicate to the Assignee all facts known to the Assignor relating to the Patent Properties and the history thereof; (5) cooperate with the Assignee in any interference, reexamination, review proceeding, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Patent Properties; and (6) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to said Patent Properties in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Patent Properties; and

COVENANTS, 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. To the extent that any such provision is found to be unenforceable, the Assignor, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

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

AGREED to by Assignor as of the Date of the Signature Below:

Assignor: Avatar Merger Sub II, LLC  
Signature: / Victor Shaburov /  
Printed Name: Victor Shaburov  
Title: President  
Date: 11/15/2017

ACCEPTED by Assignee as of the Date of the Signature Below:

Assignee: Snap Inc.  
Signature: / Luke Yeh /  
Printed Name: Luke Yeh  
Title: Director of IP  
Date: 11/14/2017

## Appendix A

Patent/ Publication No.	Application Number	Title	Filing date	Issue/Grant Date
9,232,189	14/661,367	BACKGROUND MODIFICATION IN VIDEO CONFERENCING	2015-03-18	2016-01-05
2017/0019633	14/987,514	BACKGROUND MODIFICATION IN VIDEO CONFERENCING	2016-01-04	
9,576,190	14/661,539	EMOTION RECOGNITION IN VIDEO CONFERENCING	2015-03-18	2017-02-21
2017/0154211	15/430,133	EMOTION RECOGNITION IN VIDEO CONFERENCING	2017-02-10	
9,747,573	14/665,686	EMOTION RECOGNITION FOR WORKFORCE ANALYTICS	2015-03-23	2017-08-29
	15/688,480	EMOTION RECOGNITION FOR WORKFORCE ANALYTICS	2017-08-28	
2015/0221118	14/314,312	METHOD FOR REAL TIME VIDEO PROCESSING FOR CHANGING PROPORTIONS OF AN OBJECT IN THE VIDEO	2014-06-25	
9,396,525	14/325,477	METHOD FOR REAL TIME VIDEO PROCESSING INVOLVING CHANGING A COLOR OF AN OBJECT ON A HUMAN FACE IN A VIDEO	2014-07-08	2016-07-19
2016/0322079	15/208,973	METHOD FOR REAL TIME VIDEO PROCESSING INVOLVING CHANGING A COLOR OF AN OBJECT ON A HUMAN FACE IN A VIDEO	2016-07-13	
2015/0222821	14/314,324	METHOD FOR REAL-TIME VIDEO PROCESSING INVOLVING CHANGING FEATURES OF AN OBJECT IN THE VIDEO	2014-06-25	
2015/0221136	14/314,334	METHOD FOR REAL-TIME VIDEO PROCESSING INVOLVING RETOUCHING OF AN OBJECT IN THE VIDEO	2014-06-25	
2015/0221338	14/314,343	METHOD FOR TRIGGERING EVENTS IN A VIDEO	2014-06-25	