

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6432241

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RULING LIAO	10/10/2020
JIE CHEN	10/10/2020
YAN YE	10/17/2020
JIANCONG LUO	11/23/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALIBABA GROUP HOLDING LIMITED
<b>Street Address:</b>	FOURTH FLOOR, ONE CAPITAL PLACE
<b>Internal Address:</b>	P.O. BOX 847
<b>City:</b>	GEORGE TOWN, GRAND CAYMAN
<b>State/Country:</b>	CAYMAN ISLANDS
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17063064
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)408-4400
<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>	2024084000
<b>Email:</b>	jennifer.gomes@finnegan.com
<b>Correspondent Name:</b>	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP
<b>Address Line 1:</b>	901 NEW YORK AVENUE, NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001-4413
<b>ATTORNEY DOCKET NUMBER:</b>	12852.0448-00000
<b>NAME OF SUBMITTER:</b>	JENNIFER GOMES
<b>SIGNATURE:</b>	/Jennifer Gomes/
<b>DATE SIGNED:</b>	12/04/2020
<b>Total Attachments: 5</b>	
source=A26051US_Assignment#page1.tif	
source=A26051US_Assignment#page2.tif	
source=A26051US_Assignment#page3.tif	

source=A26051US\_Assignment#page4.tif

source=A26051US\_Assignment#page5.tif

STATEMENT OF ASSIGNMENT

Whereas Jiancong LUO (hereinafter "INVENTOR"), invented certain new and useful improvements as set forth in the patent application entitled:

METHOD AND APPARATUS FOR CHROMA SAMPLING

which bears U.S. application serial No. 17/063,064, filed October 5, 2020.

Whereas the INVENTOR has executed an agreement:

(a) Assigning to Alibaba Group Holding Limited having a place of business at Fourth Floor, One Capital Place, Grand Cayman, Cayman Islands (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and (2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof;

(b) Authorizing and requesting the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE;

(c) Agreeing to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications; and

(d) Agreeing that the terms, covenants and conditions of this assignment have inured to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I **Roger Shang** have executed this document on the date indicated below.

Roger Shang  
Signature of Officer  
as Assignee's Representative

11/23/2020  
Date

Hangzhou, China  
Inventor's City, State of residence

## ASSIGNMENT

WHEREAS I/We, the below-named inventor(s) (hereinafter referred to as Assignor(s)), of an invention entitled:

### METHOD AND APPARATUS FOR CHROMA SAMPLING

as claimed in United States Application No. 17/063,064 (Confirmation No. 2553), filed herewith on October 5, 2020, attached hereto, and as claimed in PCT International Application No. \_\_\_\_\_, filed herewith on \_\_\_\_\_, and attached hereto; and

WHEREAS, **Alibaba Group Holding Limited**, a corporation of Cayman Islands, whose post office address is Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman, Cayman Islands (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application and the PCT International application and all applications to be filed based on the PCT International application and Letters Patents which may be granted in those applications;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_, (if any), and the application for United States Letters Patent and the PCT International application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of the application for United States Letters Patent and/or the PCT International application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in the applications, insert in parentheses above, the filing date and application number of said applications when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

Name: Ruling LIAO  
Address: Alibaba Group Legal Department  
5/F Bldg 3 No 969 West Wen Yi Rd, Yu Han District  
Hangzhou, Zhejiang 311121 China  
By: *Ruling Liao*  
Date: 10 Oct 2020

Name: Jie CHEN  
Address: Alibaba Group Legal Department  
5/F Bldg 3 No 969 West Wen Yi Rd, Yu Han District  
Hangzhou, Zhejiang 311121 China  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

Name: Yan YE  
Address: Alibaba Group Legal Department  
400 South El Camino Real, Suite 400  
San Mateo, CA, 94402  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

Name: Jiancong LUO  
Address: Alibaba Group Legal Department  
400 South El Camino Real, Suite 400  
San Mateo, CA, 94402  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

Name: Ruling LIAO  
Address: Alibaba Group Legal Department  
5/F Bldg 3 No 969 West Wen Yi Rd, Yu Han District  
Hangzhou, Zhejiang 311121 China

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

Name: Jie CHEN  
Address: Alibaba Group Legal Department  
5/F Bldg 3 No 969 West Wen Yi Rd, Yu Han District  
Hangzhou, Zhejiang 311121 China

By: *Jie Chen*  
Date: Oct. 10, 2020

Name: Yan YE  
Address: Alibaba Group Legal Department  
400 South El Camino Real, Suite 400  
San Mateo, CA, 94402

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

Name: Jiancong LUO  
Address: Alibaba Group Legal Department  
400 South El Camino Real, Suite 400  
San Mateo, CA, 94402

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

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.


Name: Ruling LIAO  
Address: Alibaba Group Legal Department  
5/F Bldg 3 No 969 West Wen Yi Rd, Yu Han District  
Hangzhou, Zhejiang 311121 China

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

Name: Jie CHEN  
Address: Alibaba Group Legal Department  
5/F Bldg 3 No 969 West Wen Yi Rd, Yu Han District  
Hangzhou, Zhejiang 311121 China

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

Name: Yan YE  
Address: Alibaba Group Legal Department  
400 South El Camino Real, Suite 400  
San Mateo, CA, 94402

By:   
Date: October 17, 2020

Name: Jiancong LUO  
Address: Alibaba Group Legal Department  
400 South El Camino Real, Suite 400  
San Mateo, CA, 94402

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