

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WEIJIA ZHU	09/04/2020
LI ZHANG	09/04/2020
JIZHENG XU	09/04/2020
KAI ZHANG	09/04/2020
RECEIVING PARTY DATA	
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State/Country:	CALIFORNIA
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17720634
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NAME OF SUBMITTER:	MICHAIAH COPP
SIGNATURE:	/Michaiah Copp/
DATE SIGNED:	04/14/2022
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	

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In re Patent Application of:

Applicant: BYTEDANCE INC.

Inventors: Weijia Zhu, et al.

Application No.: TBD

Confirmation No.: TBD

Filing Date: TBD

Title: USING CHROMA QUANTIZATION
PARAMETER IN VIDEO CODING

INVENTOR DECLARATION AND ASSIGNMENT TO BYTEDANCE INC.

I hereby declare that:

I believe I am an original joint inventor of a claimed invention in (1) a patent application entitled:

USING CHROMA QUANTIZATION PARAMETER IN VIDEO CODING

which is filed on October 13, 2020, as PCT Application No. PCT/US2020/055332, which, under the Paris Convention, claims the priority to and benefits of

(2) PCT patent application entitled “DEBLOCKING FILTERS” filed as International Patent Application No. PCT/CN2019/111115 on October 14, 2019. I authorize and request an attorney appointed by an applicant or assignee to hereafter insert above the filing date and application number of each application when known.

I believe the following persons are original joint inventors of the above-identified patent application(s):

Weijia Zhu, San Diego, CA, USA;

Li ZHANG, San Diego, CA, USA;

Jizheng XU, San Diego, CA, USA; and

Kai ZHANG, San Diego, CA, USA;

I made, authorized to make, or hereby make or authorize to make the above-identified patent application at the U.S. Patent and Trademark Office or other

patent offices.

I have reviewed and understand the contents of the above-identified patent application(s) including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

INVENTOR ASSIGNMENT TO BYTEDANCE INC.

As a named inventor, I hereby assign to BYTEDANCE INC., a corporation, having a place of business at 12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California 90066, United States, and its successors and assigns (collectively “the Assignee”), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in the each and all of the following applications:

(1) PCT patent application entitled “USING CHROMA QUANTIZATION PARAMETER IN VIDEO CODING” filed as PCT Application No. PCT/US2020/055332 on October 13, 2020 ;

(2) PCT patent application entitled “DEBLOCKING FILTERS” filed as International Patent Application No. PCT/CN2019/111115 on October 14, 2019. I authorize and request an attorney appointed by an applicant or assignee to hereafter insert above the filing date and application number of said application(s) when known.

This assignment includes the entire right, title and interest in the above-identified patent applications, all legal equivalents thereof in any country, any and all United States, Patent Cooperation Treaty, Chinese and other foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, Patent Cooperation Treaty, Chinese and all other foreign patents, utility models, and design registrations, and the right to claim priority based on the filing dates of the above-identified patent applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors’ certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the

entire right, title and interest throughout the world in said inventions and improvements by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I hereby will, assign, and transfer to the Assignee, any right, title and interest I may have in said inventions and improvements anywhere in the world.

The foregoing assignments, sale and transfer have been made for good and valuable consideration, the receipt of which is hereby acknowledged by me.

I hereby represent and warrant that my residential, sole, agreement or assignment has been or will be made or entered into in the usual and proper course of business and the Assignee.

I further warrant, by myself and the respective legal representatives and assigns, to assist the Assignee in handling in any procedure, books and documentation in connection with the assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said inventions and improvements, and said business, said legal agreements or other legal instrument as may be known and accessible to me and creating as to the Assignee in any interference, litigation or proceeding relating hereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said agreements and other legal instrument which may be necessary or desirable to carry out the purposes hereof.

I am competent to execute this declaration and assignment. I hereby have duly executed the declaration and assignment before with my name.

Full name of inventor: Wang, Li

Inventor's signature: 

Date: September 4, 2004

Full name of inventor: LI/HAN

Inventor's signature: 

Date: September 4, 2004

Full name of inventor: Li Hong LI

Inventor's signature: 

Date: September 4, 2004

Full name of inventor: Li ZHANG

Inventor's signature: 

Date: September 4, 2020

The Assignee hereby acknowledges the assignment. The undersigned is authorized to act on behalf of the Assignee.

Assignee: BYTEDANCE INC.

Authorized officer's legal name: Meixin Li

Authorized officer's title: Authorized Legal Counsel

Authorized officer's signature: *Meixin Li*

Date: September 5, 2020

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