

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HE GUO | 09/02/2020 |
| RECEIVING PARTY DATA | |
| Name: | BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD. |
| Street Address: | NO. 30, SHIXING ROAD |
| Internal Address: | RM B-0035, 2/F, SHIJINGSHAN DISTRICT |
| City: | BEIJING |
| State/Country: | CHINA |
| Postal Code: | 100041 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16979325 |
| CORRESPONDENCE DATA | |
| Fax Number: | (770)951-0933 |
| <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> | |
| Phone: | 7709339500 |
| Email: | carla.stone@thomashorstemeyer.com |
| Correspondent Name: | LEI FANG & ASSOCIATES LLC THOMAS HORSTEM |
| Address Line 1: | 3200 WINDY HILL ROAD SE |
| Address Line 2: | SUITE 1600E |
| Address Line 4: | ATLANTA, GEORGIA 30339 |
| ATTORNEY DOCKET NUMBER: | 940204-1040 |
| NAME OF SUBMITTER: | LEI FANG |
| SIGNATURE: | /Lei Fang/ |
| DATE SIGNED: | 09/17/2020 |
| Total Attachments: 2 | |
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ASSIGNMENT
OF UTILITY PATENT APPLICATION

WHEREAS, the following parties:

| <u>Name</u> | <u>Address</u> |
|-------------|----------------|
| He GUO | Beijing, CN |

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

IMAGE PROCESSING METHOD AND APPARATUS, AND ELECTRONIC DEVICE AND
STORAGE MEDIUM

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on September 9, 2020, and assigned Serial No. 16979325, and
- further described in PCT Application filed February 1, 2019, and assigned Serial No. PCT/CN2019/074359, and
- further described in CN Application filed September 30, 2018, and assigned Serial No. 201811163394.7

WHEREAS, Beijing Bytedance Network Technology Co., Ltd., having a place of business at Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing 100041, P.R. China, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said PCT and CN applications and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications, and (b) the entire right, title and interest in and to said invention(s), said utility application, and application(s) for all countries foreign to the U.S., including said PCT and CN applications, all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in U.S. and any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in U.S. and/or any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said PCT and CN applications and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its authorized legal representatives or agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application, if not known as of the date of execution of this document.



He GUO

02.09.2020

Date