

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8056154

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHEJIANG JINRITOUTIAO TECHNOLOGY CO, LTD.	05/22/2023
OCEAN ENGINE (SHANGHAI) COMPUTER TECH CO., LTD.	05/22/2023
SHANGHAI INFINITE MEMORY SCIENCE AND TECHNOLOGY CO., LTD.	05/22/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.
<b>Street Address:</b>	ROOM B-0035, 2/F, NO.3 BUILDING, NO.30
<b>Internal Address:</b>	SHIXING ROAD, SHIJINGSHAN DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100041
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17931095
<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>	202.230.5125
<b>Email:</b>	denverpatentdocketing@faegredrinker.com, stephanie.condon@faegredrinker.com
<b>Correspondent Name:</b>	ADAM SCHLOSSER
<b>Address Line 1:</b>	1500 K STREET, N.W., SUITE 1100
<b>Address Line 2:</b>	FAEGRE DRINKER BIDDLE & REATH LLP
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	BYD-0168
<b>NAME OF SUBMITTER:</b>	ADAM SCHLOSSER
<b>SIGNATURE:</b>	/Adam Schlosser, 66,554/
<b>DATE SIGNED:</b>	07/13/2023
<b>Total Attachments: 9</b>	
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## ASSIGNMENT

WHEREAS, **Zhejiang Jinritoutiao Technology Co, Ltd.**, hereinafter referred to as the ASSIGNOR, a company of **Zhejiang**, having a place of business at **Suite 1603, Block 2, The Mixc, Jiangnan District, Hangzhou City, Zhejiang Province 310000, P. R. China**, is the owner of certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, as listed in "Exhibit A," attached hereto (hereinafter "Patent Property"); and

WHEREAS, **BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.**, hereinafter referred to as the ASSIGNEE, a company of **Beijing**, having a place of business at **Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing 100041, China**, is desirous of acquiring the entire right, title and interest in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Patent Property and to and under any and all additional Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and the full right to sue for and recover damages recoverable for past infringement of the same, and for violations of provisional rights having arisen from any published application(s) for said Patent Property. ASSIGNOR further assigns to and authorizes said ASSIGNEE to file corresponding applications for Letters Patent in all countries, to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and ASSIGNOR further covenants and agrees that it will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Patent Property in said assignee, its successors, assigns, nominees, or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said Patent Property, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything reasonably possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees or legal representatives.

Sinotalen Ref.:  
FDBR Ref.:

AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said Patent Property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.

5.22/2023  
Date

Liyan Chen  
By: Liyan CHEN

Title: Authorized Legal Counsel

**Zhejiang Jinritoutiao Technology Co, Ltd.**

5.22/2023  
Date

Liyan Chen  
By: Liyan CHEN

Title: Authorized Legal Counsel

**Beijing ByteDance Network Technology Co., Ltd.**

Sinotalen Ref.:  
FDBR Ref.:

**EXHIBIT A**

<b>ATTORNEY DOCKET NO.</b>	<b>TITLE</b>	<b>PRIORITY APPLICATION NO.</b>
	INFORMATION SWITCHING AND SHARING METHOD, DEVICE, ELECTRONIC APPARATUS, AND STORAGE MEDIUM	PCT/CN2021/086511

## ASSIGNMENT

WHEREAS, **Ocean Engine (Shanghai) Computer Tech Co., Ltd.**, hereinafter referred to as the ASSIGNOR, a company of **Shanghai**, having a place of business at **13/F, Building 24, 1999 Yishan Rd, Minhang District, Shanghai 200233, P. R. China**, is the owner of certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, as listed in "Exhibit A," attached hereto (hereinafter "Patent Property"); and

WHEREAS, **BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.**, hereinafter referred to as the ASSIGNEE, a company of **Beijing**, having a place of business at **Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing 100041, China**, is desirous of acquiring the entire right, title and interest in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Patent Property and to and under any and all additional Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and the full right to sue for and recover damages recoverable for past infringement of the same, and for violations of provisional rights having arisen from any published application(s) for said Patent Property. ASSIGNOR further assigns to and authorizes said ASSIGNEE to file corresponding applications for Letters Patent in all countries, to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and ASSIGNOR further covenants and agrees that it will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Patent Property in said assignee, its successors, assigns, nominees, or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said Patent Property, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything reasonably possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees or legal representatives.

Sinotalen Ref.:

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AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said Patent Property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.

5.22/2023  
Date

Liyan Chen  
By: Liyan CHEN

Title: Authorized Legal Counsel

**Ocean Engine (Shanghai) Computer Tech Co., Ltd.**

5.22/2023  
Date

Liyan Chen  
By: Liyan CHEN

Title: Authorized Legal Counsel

**Beijing ByteDance Network Technology Co., Ltd.**

Sinotalen Ref.:  
FDBR Ref.:

**EXHIBIT A**

<b>ATTORNEY DOCKET NO.</b>	<b>TITLE</b>	<b>PRIORITY APPLICATION NO.</b>
	INFORMATION SWITCHING AND SHARING METHOD, DEVICE, ELECTRONIC APPARATUS, AND STORAGE MEDIUM	PCT/CN2021/086511



## ASSIGNMENT

WHEREAS, **Shanghai Infinite Memory Science and Technology Co., Ltd.**, hereinafter referred to as the ASSIGNOR, a company of **Shanghai**, having a place of business at **Room 1201, 331Caoxibei Road, Xuhui District, Shanghai 200030, P. R. China**, is the owner of certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, as listed in "Exhibit A," attached hereto (hereinafter "Patent Property"); and

WHEREAS, **BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.**, hereinafter referred to as the ASSIGNEE, a company of **Beijing**, having a place of business at **Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing 100041, China**, is desirous of acquiring the entire right, title and interest in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Patent Property and to and under any and all additional Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and the full right to sue for and recover damages recoverable for past infringement of the same, and for violations of provisional rights having arisen from any published application(s) for said Patent Property. ASSIGNOR further assigns to and authorizes said ASSIGNEE to file corresponding applications for Letters Patent in all countries, to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and ASSIGNOR further covenants and agrees that it will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Patent Property in said assignee, its successors, assigns, nominees, or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said Patent Property, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything reasonably possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees or legal representatives.

Sinotalen Ref.:  
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AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said Patent Property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.

5.22/2023  
Date

Liyan Chen  
By: Liyan CHEN

Title: Authorized Legal Counsel

**Shanghai Infinite Memory Science and Technology  
Co., Ltd.**

5.22/2023  
Date

Liyan Chen  
By: Liyan CHEN

Title: Authorized Legal Counsel

**Beijing ByteDance Network Technology Co., Ltd.**

Sinotalen Ref.:

FDBR Ref.:

**EXHIBIT A**

<b>ATTORNEY DOCKET NO.</b>	<b>TITLE</b>	<b>PRIORITY APPLICATION NO.</b>
	INFORMATION SWITCHING AND SHARING METHOD, DEVICE, ELECTRONIC APPARATUS, AND STORAGE MEDIUM	PCT/CN2021/086511