

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7679828

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIAHUI LUO	10/19/2022
TAOTAO ZHU	10/18/2022
CHANG LIU	10/18/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	T-HEAD (SHANGHAI) SEMICONDUCTOR CO., LTD.
<b>Street Address:</b>	5TH FLOOR NUMBER 2 CHUAN HE ROAD 55, NUMBER 366 SHANG KE ROAD, SHANGHAI FREE TRADE AREA
<b>City:</b>	SHANGHAI
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17510198
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)938-9069
<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>	408-938-9060
<b>Email:</b>	cholland@mhbpatents.com
<b>Correspondent Name:</b>	MURABITO, HAO & BARNES LLP
<b>Address Line 1:</b>	111 NORTH MARKET STREET
<b>Address Line 2:</b>	7TH FLOOR
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95113
<b>ATTORNEY DOCKET NUMBER:</b>	BABT-A30408US
<b>NAME OF SUBMITTER:</b>	JAMES P. HAO
<b>SIGNATURE:</b>	/James P. Hao/
<b>DATE SIGNED:</b>	12/06/2022
<b>Total Attachments: 3</b>	
source=BABT-A30408US_ASSIGNMENT#page1.tif	
source=BABT-A30408US_ASSIGNMENT#page2.tif	
source=BABT-A30408US_ASSIGNMENT#page3.tif	

**Assignment to T-Head (Shanghai) Semiconductor Co., Ltd.**

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we **Jiahui LUO**

do hereby sell, assign, and transfer unto T-Head (Shanghai) Semiconductor Co., Ltd. a Corporation having its principal place of business at 5<sup>th</sup> Floor Number 2 Chuan He Road 55, Number 366 Shang Ke Road, Shanghai Free Trade Area, China and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

INSTRUCTION TRANSMITTING UNIT, INSTRUCTION EXECUTION UNIT, AND RELATED APPARATUS AND METHOD

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the

United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: 17/510,198 filed on 10-25-2021 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of T-Head (Shanghai) Semiconductor Co., Ltd. its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to T-Head (Shanghai) Semiconductor Co., Ltd., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by T-Head (Shanghai) Semiconductor Co., Ltd..

I/we further covenant with T-Head (Shanghai) Semiconductor Co., Ltd. its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: Jiahui LUO  
Jiahui LUO

Date: 2022.10.19

## Assignment to T-Head (Shanghai) Semiconductor Co., Ltd.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we  
**Taotao ZHU**

do hereby sell, assign, and transfer unto T-Head (Shanghai) Semiconductor Co., Ltd. a Corporation having its principal place of business at 5<sup>th</sup> Floor Number 2 Chuan He Road 55, Number 366 Shang Ke Road, Shanghai Free Trade Area, China and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

### INSTRUCTION TRANSMITTING UNIT, INSTRUCTION EXECUTION UNIT, AND RELATED APPARATUS AND METHOD

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the

United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: 17/510,198 filed on 10-25-2021 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of T-Head (Shanghai) Semiconductor Co., Ltd. its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to T-Head (Shanghai) Semiconductor Co., Ltd., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by T-Head (Shanghai) Semiconductor Co., Ltd..

I/we further covenant with T-Head (Shanghai) Semiconductor Co., Ltd. its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:

朱涛涛

Taotao ZHU

Date:

2022/10/18

## Assignment to T-Head (Shanghai) Semiconductor Co., Ltd.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

**Chang LIU**

do hereby sell, assign, and transfer unto T-Head (Shanghai) Semiconductor Co., Ltd. a Corporation having its principal place of business at 5<sup>th</sup> Floor Number 2 Chuan He Road 55, Number 366 Shang Ke Road, Shanghai Free Trade Area, China and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

INSTRUCTION TRANSMITTING UNIT, INSTRUCTION EXECUTION UNIT, AND RELATED APPARATUS AND METHOD

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the

United States and of countries foreign thereto which may be granted thereon or therefor; or

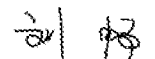
Serial No.: 17/510,198 filed on 10-25-2021 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of T-Head (Shanghai) Semiconductor Co., Ltd. its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to T-Head (Shanghai) Semiconductor Co., Ltd., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by T-Head (Shanghai) Semiconductor Co., Ltd..

I/we further covenant with T-Head (Shanghai) Semiconductor Co., Ltd. its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:

  
Chang LIU

Date: 2022/10/18