

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI4149

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALIBABA GROUP HOLDING LIMITED	01/31/2024
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	T-HEAD (SHANGHAI) SEMICONDUCTOR CO., LTD.
<b>Street Address:</b>	5th Floor No. 2 Chuan He Road 55
<b>Internal Address:</b>	No. 366 Shang Ke Road
<b>City:</b>	Shanghai Free Trade Area
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16831329
<b>Application Number:</b>	17158685
<b>Application Number:</b>	16532706
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	4089389069
<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>	4089389060
<b>Email:</b>	cholland@mhbpatents.com,officeaction@mhbpatents.com
<b>Correspondent Name:</b>	Mrs. Christina Holland
<b>Address Line 1:</b>	Murabito Hao & Barnes LLP
<b>Address Line 2:</b>	111 North Market Street, Suite 700
<b>Address Line 4:</b>	San Jose, CALIFORNIA 95113
<b>NAME OF SUBMITTER:</b>	Christina Holland
<b>SIGNATURE:</b>	Christina Holland
<b>DATE SIGNED:</b>	02/05/2024
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 5</b>	
source=Assignment_BABAtoTHead#page1.tif	
source=Assignment_BABAtoTHead#page2.tif	
source=Assignment_BABAtoTHead#page3.tif	

source=Assignment\_BABAtoTHead#page4.tif

source=Assignment\_BABAtoTHead#page5.tif

## ASSIGNMENT - WORLDWIDE

THIS ASSIGNMENT, made by, **ALIBABA GROUP HOLDING LIMITED**, having its principal place of business at **Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman, Cayman Islands**, hereinafter referred to as Assignor;

WITNESSETH: That,

WHEREAS, Assignor has previously acquired all right, title, and interest in and to the intellectual property identified on the attached Schedule A, in and to all corresponding patents, patent applications, utility models, design registrations, other rights of exclusion, and/or inventors' certificates in every country or region worldwide, and in and to all inventions represented thereby (all hereinafter referred to collectively as the "Assigned Intellectual Property" on the attached Schedule A); and,

WHEREAS, **T-HEAD (SHANGHAI) SEMICONDUCTOR CO., LTD.**, having its principal place of business at **5th Floor Number 2 Chuan He Road 55, Number 366 Shang Ke Road, Shanghai Free Trade Area, China**, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to the Assigned Intellectual Property; and

WHEREAS, the parties have agreed to the Assignment hereinafter set forth;

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, the above Assignor has sold and by these presents does hereby sell, assign, transfer, and convey unto the said Assignee, its successors and assigns, its entire right, title, and interest in and to the Assigned Intellectual Property, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, together with every priority right that is or may be predicated upon or arise from any of the Intellectual Property; and the right to pursue, collect, and retain in Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Assigned Intellectual Property assigned by this Assignment; all to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

From time to time after the date hereof, at the request of either party hereto, and at the expense of the party so requesting, each of the parties hereto shall execute and deliver to such requesting party such documents and take such other action as such requesting party may reasonably request in order to consummate more effectively the transactions contemplated hereby.

The Assignor further covenants and agrees that, at the time of the execution and delivery of these presents, it possesses full title to the Assigned Intellectual Property, and that it has the unencumbered right and authority to make this Assignment.

IN WITNESS WHEREOF, the Assignor has caused this assignment to be executed this  
31<sup>st</sup> day of January, 2024.

**ASSIGNOR:**

ALIBABA GROUP HOLDING LIMITED

By: 


Print Name: KE XIAOPENG

Title: Patent Legal Director/Authorized Representative

IN WITNESS WHEREOF, the Assignee has caused this assignment to be executed this  
31<sup>st</sup> day of January, 2024.

**ASSIGNEE:**

**T-HEAD (SHANGHAI) SEMICONDUCTOR CO., LTD.**

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

Print Name: KE XIAOPENG

Title: Authorized Representative

**Assignment Between**  
**ALIBABA GROUP HOLDING LIMITED**  
**and**  
**T-HEAD (SHANGHAI) SEMICONDUCTOR CO., LTD.**

**SCHEDULE A**

<b>O/R</b>	<b>Country</b>	<b>Application No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Grant Date</b>
A24486US	US	16831329	2020-03-26		
A26151US	US	17158685	2021-01-26	11467836	2022-10-11
A21826US	US	16532706	2019-08-06	10956776	2021-03-23