

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6474316

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHENYU SU	07/29/2020
DINGFEI ZHANG	07/30/2020
XIAOYONG ZHOU	07/29/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SHANGHAI CAMBRICON INFORMATION TECHNOLOGY CO., LTD.
<b>Street Address:</b>	FLOOR 6, BLOCK B, NO. 168 TONGHUI ROAD
<b>Internal Address:</b>	PUDONG NEW AREA
<b>City:</b>	SHANGHAI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	201306
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17138161
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)683-5472
<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>	4156835472
<b>Email:</b>	Docketing.Rimonlaw@Clarivate.com
<b>Correspondent Name:</b>	RIMON PC
<b>Address Line 1:</b>	ONE EMBARCADERO CENTER
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	51-00012-US
<b>NAME OF SUBMITTER:</b>	LETAO QIN
<b>SIGNATURE:</b>	/Letao Qin, Reg. no. 64359/
<b>DATE SIGNED:</b>	12/30/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 9</b>	

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**ASSIGNMENT & INVENTOR'S DECLARATION**

For good and valuable consideration, I/we ("Assignor")

ZHENYU SU, having a mailing address of

Floor 6, Block B, No. 168 Tonghui Road, Pudong New Area, Shanghai, 201306, China.

hereby assign to SHANGHAI CAMBRICON INFORMATION TECHNOLOGY CO., LTD  
("Assignee"), having its place of business at

Floor 6, Block B, No. 168 Tonghui Road, Pudong New Area, Shanghai, 201306, China.

the entire right, title, and interest in and to the **ON-CHIP CODE BREAKPOINT  
DEBUGGING METHOD, ON-CHIP PROCESSOR, AND CHIP BREAKPOINT  
DEBUGGING SYSTEM** which is/are disclosed in, but not limited to, the application(s) for  
Letters Patent and Utility Model filed in:

COUNTRY	APPLICATION NO.	FILING DATE
WO	PCT/CN2019/092805	2019/6/25

and for any and all patents and patent applications therefore in any and all countries, and pursuant to all multilateral treaty organizations, including the Patent Cooperation Treaty and European Patent Convention, including without limitation, utilities, continuations, continuations-in-part, divisionals, reissues, and extensions thereof, and all rights of priority resulting from the filing of said application(s) to be held and enjoyed by the Company, its successors, and assigns, as fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

Assignor hereby authorizes and requests the attorneys at Rimon Law Group, P.C., at One Embarcadero Center, Suite 400, San Francisco, CA 94111, to Insert the filing date(s) and application number(s) in the above-indicated spaces when known.

Assignor also agrees to and does hereby grant, assign and transfer to Assignee, its successors, assigns and legal representatives, without further remuneration, a like interest in and to any improvements, related new matter, and derivative works, and applications based thereon, growing out of or relating to the inventions; and to provide all reasonable assistance and execute any papers, if accurate, desired by Assignee, its successors, assigns

and legal representatives, to preserve, acquire and/or perfect Assignee's full protection and title in and to the inventions, any improvements, and any aforementioned patent applications.

Assignor further transfers and assigns to Assignee all causes of action, rights, and remedies arising under any of the aforesaid applications for patents, including but not limited to Letters Patents, Design Patents, Utility Models, and any other similar rights resulting therefrom prior to or after the effective date of this Assignment, and the right to sue for and recover for past infringements of or liabilities for any of the rights relating to any of the applications for Design Patents, Letters Patents, Utility Models, or other similar rights resulting therefrom.

Assignor hereby authorizes and requests any official whose duty is to issue patents to issue any patent on Inventions or resulting therefrom to Assignee, or its successors, assigns, or nominees.

Assignor hereby agrees, on request and without further consideration, but at the expense of Assignee, to communicate to Assignee or its representatives or nominees any facts known to me with respect to related improvements and to testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, continuations-in-part, and reissue applications, make all rightful oaths, and generally aid Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for Inventions.

FURTHERMORE, each undersigned ASSIGNOR hereby individually declares that:

(i) the above-identified application(s) were made or authorized to be made by me;

(ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in the application;

(iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five years, or both.

July 29, 2020  
Date

ZHENYU SU  
ZHENYU SU

Date: Sep. 10, 2020

Xiaowan Zhou  
Witness Signature

Xiaowan Zhou / IP Engineer  
Witness Name/Capacity for

**Assignment**

Acceptance by Assignee

Date: Sep. 10, 2020

Shuai Hu  
Signature on behalf of Assignee

Shuai Hu IP Director  
Name and Title

**ASSIGNMENT & INVENTOR'S DECLARATION**

For good and valuable consideration, I/we ("Assignor")

DINGFEI ZHANG, having a mailing address of

Floor 6, Block B, No. 168 Tonghui Road, Pudong New Area, Shanghai, 201306, China

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the entire right, title, and interest in and to the **ON-CHIP CODE BREAKPOINT DEBUGGING METHOD, ON-CHIP PROCESSOR, AND CHIP BREAKPOINT DEBUGGING SYSTEM** which is/are disclosed in, but not limited to, the application(s) for Letters Patent and Utility Model filed in:

COUNTRY	APPLICATION NO.	FILING DATE
WO	PCT/CN2019/092805	2019/6/25

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and legal representatives, to preserve, acquire and/or perfect Assignee's full protection and title in and to the inventions, any improvements, and any aforementioned patent applications.

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July 30, 2020  
Date

Dingfei Zhang  
DINGFEI ZHANG

Date: Sep. 10, 2020

Xiaowan Zhou  
Witness Signature

Xiaowan Zhou / IP Engineer  
Witness Name/Capacity for

**Assignment**

Acceptance by Assignee

Date: Sep. 10, 2020

Shuai Hu  
Signature on behalf of Assignee

Shuai Hu IP Director  
Name and Title



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XIAOYONG ZHOU, having a mailing address of

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WO	PCT/CN2019/092805	2019/6/25

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July 27 2020  
Date

XIAOYONG ZHOU  
XIAOYONG ZHOU

Date: Sep. 10, 2020

Xiaowan Zhou  
Witness Signature

Xiaowan Zhou / IP Engineer  
Witness Name/Capacity for

**Assignment**

Acceptance by Assignee

Date: Sep. 10, 2020

Shuai Hu  
Signature on behalf of Assignee

Shuai Hu IP Director  
Name and Title