PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5098743

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEES ADDRESS previously recorded on Reel 046599 Frame 0153. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
HUAYU ZHOU	07/27/2018
YANAN JIA	07/27/2018
SHAOFEI WANG	07/31/2018

RECEIVING PARTY DATA

Name:	SPREADTRUM COMMUNICATIONS (SHANGHAI) CO., LTD.
Street Address:	SPREADTRUM CENTER, BUILDING NO. 1
Internal Address:	LANE 2288, ZUCHONGZHI ROAD
City:	ZHANGJIANG SHANGHAI
State/Country:	CHINA
Postal Code:	201203

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16059451

CORRESPONDENCE DATA

Fax Number: (860)286-0115

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.

Email: usptopatentmail@cantorcolburn.com

Correspondent Name: **CANTOR COLBURN LLP** Address Line 1: 20 CHURCH STREET

Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	UNT0302US
NAME OF SUBMITTER:	DANIEL P. LENT
SIGNATURE:	/Daniel P. Lent/
DATE SIGNED:	08/21/2018

Total Attachments: 5 source=8477916#page1.tif

> **PATENT REEL: 047479 FRAME: 0447**

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PATENT REEL: 047479 FRAME: 0448

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

MARKED UP VERSION

EPAS ID: PAT5090523

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
HUAYU ZHOU	07/27/2018	
YANAN JIA	07/27/2018	
SHAOFEI WANG	07/31/2018	

RECEIVING PARTY DATA

Name:	SPREADTRUM COMMUNICATIONS (SHANGHAI) CO., LTD.	
Street Address:	SPREADTRUM CENTER, BUILDING NO. 1	
Internal Address:	LANE 2288, ZUCHONGZHI ROAD	
City:	ZHANGJIANG SHANGHAI	
State/Country:	ッタータル・ CHINA	
Postal Code:	201203	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16059451

CORRESPONDENCE DATA

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Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	UNT0302US
NAME OF SUBMITTER:	DANIEL P. LENT
SIGNATURE:	/Daniel P. Lent/
DATE SIGNED:	-98/99/2048·· 08/21/2018

Total Attachments: 2 source=8415647#page1.tif source=8415647#page2.tif

PATENT REEL: 047479 FRAME: 0449

ASSIGNMENT

WHEREAS We, Huayu ZHOU, Yanan JIA and Shaofei WANG of Postbox No.5, Spreadtrum Center, Building No.1, Lane 2288, Zuchongzhi Road, Zhangjiang, Shanghai 201203, P.R.China (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in:

METHOD AND DEVICE FOR ALLOCATING RESOURCES, USER EQUIPMENT, BASE STATION AND READABLE STORAGE MEDIUM

which claims priority to **Chinese** Application No. 201710685505.X, filed August 11, 2017, and for which I am about to file or have filed an application for Letters Patent of the United States;

AND WHEREAS, SPREADTRUM COMMUNICATIONS (SHANGHAI) CO., LTD. (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of China, having a place of business at Spreadtrum Center, Building No. 1, Lane 2288, Zuchongzhi Road, Zhangjiang, Shanghai 201203, P.R. China, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention, the applications, and any and all patents that may be issued therefrom, in the United States and in all foreign countries, including any and all revivals, refilings, continuations, continuations-in part, divisions, and reissues thereof, to the said ASSIGNEE; and we, the ASSIGNORS, do hereby agree that we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further

PATENT REEL: 047479 FRAME: 0450 that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 2018-7.27	Hugge Zhou	L.S
Date: 2987.4	Huayu ZHOU Yaral Jia	Las
	Yanan JIA	
Date: 10/8, 7, 3	Shaolei WANG	L.\$