

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XICHUN GAO	11/10/2017
XIANLIANG CHEN	11/13/2017
YI HE	11/10/2017
JINJIN NI	11/10/2017
YIGUO ZHAO	11/10/2017
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	LANE 2288, ZUCHONGZHI ROAD
<b>Internal Address:</b>	SPREADTRUM CENTER, BUILDING NO. 1
<b>City:</b>	ZHANGJIANG, SHANGHAI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	201203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15810734
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<b>NAME OF SUBMITTER:</b>	DANIEL P. LENT
<b>SIGNATURE:</b>	/Daniel P. Lent/
<b>DATE SIGNED:</b>	11/13/2017

**Total Attachments: 2**

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ASSIGNMENT

WHEREAS We, Xichun GAO, Xianliang CHEN, Yi HE, Jinjin NI, and Yiguo ZHAO 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 PROCESSING SERVICES of  
MULTI-CHANNEL TERMINAL**

which claims priority to Chinese Application No. 201611003401.8, filed November 14, 2016, 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

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: 2017-10-10 Xichun Gao L.S.  
Xichun GAO

Date: 2017.11.13 Xianliang CHEN L.S.  
Xianliang CHEN

Date: 2017.11.10 Yi HE L.S.  
YI HE

Date: 2017.11.10 Jinjin NI L.S.  
Jinjin NI

Date: 2017-11-10 Yiguo ZHAO L.S.  
Yiguo ZHAO