

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4872425

|   |  |
|---|--|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                                 |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                     |
| <b>CONVEYING PARTY DATA</b>   |  |
|   |  |
| <b>Name</b>   | <b>Execution Date</b>                          |
| SHAOFEI WANG  | 02/11/2018                                     |
| SU HUANG  | 02/12/2018                                     |
| HUALEI WANG   | 03/15/2018                                     |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | SPREADTRUM COMMUNICATIONS (SHANGHAI) CO., LTD. |
| <b>Street Address:</b>  | SPREADTRUM CENTER, BUILDING NO. 1              |
| <b>Internal Address:</b>  | LANE 2288, ZUCHONGZHI ROAD                     |
| <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>                                  |
| <b>Application Number:</b>  | 15924870                                       |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (860)286-0115                                  |
| <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>   | 860-286-2929                                   |
| <b>Email:</b>   | usptopatentmail@cantorcolburn.com              |
| <b>Correspondent Name:</b>  | CANTOR COLBURN LLP                             |
| <b>Address Line 1:</b>  | 20 CHURCH STREET                               |
| <b>Address Line 2:</b>  | 22ND FLOOR                                     |
| <b>Address Line 4:</b>  | HARTFORD, CONNECTICUT 06103                    |
| <b>ATTORNEY DOCKET NUMBER:</b>  | UNT0287US                                      |
| <b>NAME OF SUBMITTER:</b>   | DANIEL P. LENT                                 |
| <b>SIGNATURE:</b>   | /Daniel P. Lent/                               |
| <b>DATE SIGNED:</b>   | 03/19/2018                                     |
| <b>Total Attachments: 2</b>   |  |
| source=80F1630#page1.tif  |  |
| source=80F1630#page2.tif  |  |

## ASSIGNMENT

WHEREAS We, Shaofei WANG, Su HUANG and Hualei 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 APPARATUS FOR TRANSMITTING UPLINK DATA AND USER EQUIPMENT**

which claims priority to Chinese Application No. 201710174963.7, filed March 22, 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

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: Feb. 11, 2018 Shaofei Wang L.S.  
Shaofei WANG

Date: Feb. 12, 2018 Su Huang L.S.  
Su HUANG

Date: Mar. 15, 2018 Hualei WANG L.S.  
Hualei WANG