

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| XIAOBO ZHANG | 09/05/2016 |
| RECEIVING PARTY DATA | |
| Name: | SHANGHAI LANGBO COMMUNICATION TECHNOLOGY COMPANY LIMITED |
| Street Address: | ROOM A2117 BUILDING B, NO. 555 DONGCHUAN ROAD |
| Internal Address: | MINHANG DISTRICT |
| City: | SHANGHAI |
| State/Country: | CHINA |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15125956 |
| CORRESPONDENCE DATA | |
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| SIGNATURE: | /Michael M. Ballard/ |
| DATE SIGNED: | 09/13/2016 |
| Total Attachments: 2 | |
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ASSIGNMENT

I/We the under signed, hereinafter collectively referred to as "Assignor," are the inventors of an invention entitled METHOD AND DEVICE FOR TRANSMISSION ON UNLICENSED SPECTRUM IN UE AND BASE STATION. Example embodiments of said invention are disclosed in a United States patent application which:

- [] is executed concurrently herewith for filing in the United States Patent and Trademark Office or was previously filed in the United States Patent and Trademark Office on _____, Application Serial No. _____. (I hereby authorize the attorneys of Sunstone IP to insert said serial number and filing date when known.)
- [V] is a United States National Application of PCT International Application No. PCT/CN2015/074174, filed March 13, 2015.

The Assignee, Shanghai Langbo Communication Technology Company Limited, having a principal place of business at Room A2117 Building B, No. 555, Dongchuan Road, Minhang District, Shanghai, China, desires to secure the entire right, title and interest in said invention and the patent application filed thereon.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration and without expense to Assignor, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Full name of inventor

XiaoBo ZHANG
(GIVEN NAME) (MIDDLE INITIAL OR NAME) (FAMILY (OR LAST NAME))

Inventor's signature XiaoBo ZHANG

Date: Sep. 5 2016 Country of Citizenship: China

Address: Room A2117 Building B, No. 555, Dongchuan Road, Minhang District, Shanghai, China