

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3858045

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DAVID HAUB	05/03/2016
RECEIVING PARTY DATA		
Name:	SPREADTRUM COMMUNICATIONS USA INC.	
Street Address:	10180 TELESIS CT., #500	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92121	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15098097
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	37547.0006U3-	
NAME OF SUBMITTER:	JAMES Y.C. SZE	
SIGNATURE:	/James Y.C. Sze/	
DATE SIGNED:	05/04/2016	
Total Attachments: 2		
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WORLDWIDE ASSIGNMENT

WHEREAS, I,

DAVID HAUB, a citizen of the **UNITED STATES**, having a residence address at 13664 Lindamere Lane, San Diego, CA 92128; (hereinafter "**ASSIGNOR**"), has made an invention entitled "**METHOD AND APPARATUS FOR TRANSMITTER OPTIMIZATION BASED ON ALLOCATED TRANSMISSION BAND**" as set forth and described in U.S. Application No. 15/098,097, filed April 13, 2016; which claims priority to U.S. Application No. 14/696,265, filed April 24, 2015; which claims priority to U.S. Application No. 13/730,127, filed December 28, 2012; and

WHEREAS, **SPREADTRUM COMMUNICATIONS USA INC.** (hereinafter "**ASSIGNEE**"), having its principal place of business at **10180 Telesis Ct., #500, San Diego, CA 92121**, is desirous of acquiring the whole right, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

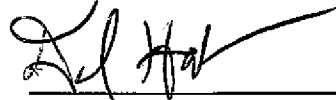
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the said **ASSIGNOR**, for and in consideration of valuable considerations unto me moving from said **ASSIGNEE**, at or before the ensealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to the said invention entitled "**METHOD AND APPARATUS FOR TRANSMITTER OPTIMIZATION BASED ON ALLOCATED TRANSMISSION BAND**" and any and all improvements thereto, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND I, the said **ASSIGNOR**, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said **ASSIGNEE**, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **ASSIGNEE**, its successors and assigns;

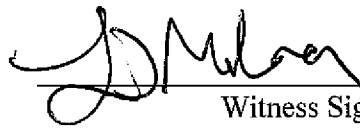
AND I, the said **ASSIGNOR**, for the considerations aforesaid, do hereby covenant and agree to and with said **ASSIGNEE**, its successors and assigns, that I have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said **ASSIGNEE**, its successors and

assigns, may be required or necessary more effectively to secure to and vest in said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, I, the said **ASSIGNOR** have executed this Assignment this 3rd day of May, 2016.



DAVID HAUB



Witness Signature

Lawrence Surcott Mobre

Witness Name Printed