

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David Haub</td> <td>11/30/2012</td> </tr> <tr> <td>Zhigang Xu</td> <td>11/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	David Haub	11/30/2012	Zhigang Xu	11/30/2012
Name	Execution Date						
David Haub	11/30/2012						
Zhigang Xu	11/30/2012						
RECEIVING PARTY DATA							
Name:	Spreadtrum Communications USA Inc.						
Street Address:	5960 Cornerstone Court						
Internal Address:	Suite 200						
City:	San Diego						
State/Country:	CALIFORNIA						
Postal Code:	92121						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13691973</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13691973		
Property Type	Number						
Application Number:	13691973						
CORRESPONDENCE DATA							
Fax Number:	2027767801						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	202-776-7800						
Email:	sdennis@duanemorris.com						
Correspondent Name:	DUANE MORRIS LLP - DC						
Address Line 1:	505 9th Street						
Address Line 2:	Suite 1000						
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20004-2166						
ATTORNEY DOCKET NUMBER:	F6391-00006						
NAME OF SUBMITTER:	Arvind Jairam						
Total Attachments: 2 source=F6391006Assignment#page1.tif source=F6391006Assignment#page2.tif							

CH \$40.00 13691973

**ASSIGNMENT**

Insert Name(s) of David Haub  
Inventors Zhigang Xu  
\_\_\_\_\_  
\_\_\_\_\_

For good and valuable consideration, sufficiency and receipt of which is hereby acknowledged by the undersigned(s), the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to

Insert name of Assignee Spreadtrum Communications USA Inc.  
Suite 200  
Insert address of Assignee 5960 Cornerstone Court  
San Diego, California 92121

and its successors, legal representatives and assigns (hereinafter designated as the Assignee) the entire right, title and interest in the invention disclosed and/or claimed in the United States application identified below, as well as all applications for patent and any Letters Patent which may be granted therefor and therefrom in the United States of America and all foreign countries, and in and to any and all divisions, continuations, continuations-in-part of said applications, or re-issues or extensions of said patents or Letters Patent, and all rights under the International Convention for the Protection of Industrial Property:

Insert Identification of Method and Apparatus for Signal Scanning  
Invention, such as Title, For Multimode Receiver  
Docket Number, or Foreign \_\_\_\_\_  
Application Number \_\_\_\_\_  
(Docket No. F6391-00006)  
Insert date of signing of \_\_\_\_\_  
application

(9) Alternative identification  
for filed applications


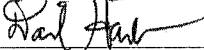
(9) Application Number: \_\_\_\_\_  
Filed: \_\_\_\_\_

The undersigned further agree(s) to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he/she has (they have) full right to convey the entire interest herein assigned, and that he/she has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to James Y.C. Sze, Reg. No. 43,943; Arvind Jairam, Reg. No. 62,759, Patrick D. McPherson, Reg. No. 46,255; Mark C. Comtois, Reg. No. 46,285; and D. Joseph English, Reg. No. 42,514; and the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>11/30/12</u>	Signature of Inventor <u></u>
Date <u>11/30/12</u>	Signature of Inventor <u></u>