

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Yulan Sun</td> <td>05/08/2012</td> </tr> <tr> <td>Frank Lu</td> <td>05/08/2012</td> </tr> <tr> <td>Donald C. D. Chang</td> <td>05/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yulan Sun	05/08/2012	Frank Lu	05/08/2012	Donald C. D. Chang	05/08/2012
Name	Execution Date								
Yulan Sun	05/08/2012								
Frank Lu	05/08/2012								
Donald C. D. Chang	05/08/2012								
RECEIVING PARTY DATA									
Name:	Spatial Digital Systems, Inc.								
Street Address:	9428 Eton Ave.								
Internal Address:	Suite G								
City:	Chatsworth								
State/Country:	CALIFORNIA								
Postal Code:	91311								
PROPERTY NUMBERS Total: 2									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12848960</td> </tr> <tr> <td>Application Number:</td> <td>13071388</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12848960	Application Number:	13071388		
Property Type	Number								
Application Number:	12848960								
Application Number:	13071388								
CORRESPONDENCE DATA									
Fax Number:	(818)772-2303								
Phone:	8187722300								
Email:	spatialdigital@gmail.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Donald C. D. Chang								
Address Line 1:	9248 Eton Ave.								
Address Line 2:	Suite G								
Address Line 4:	Chatsworth, CALIFORNIA 91311								
NAME OF SUBMITTER:	Donald C. D. Chang								

OP \$80.00 12848960

**Total Attachments: 6**

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Assignment of Invention and Patent Application

For value received, **Yulan Sun**  
of **Shanghai, China**

(hereinafter ASSIGNOR) hereby sells, assigns, transfers and sets over unto \_\_\_\_\_  
Spatial Digital Systems, Inc.  
of Chatsworth, CA

and her or his successors or assigns (hereinafter ASSIGNEE) 100 % of the following: (A) ASSIGNOR'S  
right, title and interest in and to the invention entitled :

**"A Fixed User Terminal for Inclined Orbit Satellite Operation,"**

invented by ASSIGNOR; (B) the application for the United States patent therefor, signed by ASSIGNOR on  
**April 13, 2012**, U.S. Patent and Trademark Office Serial Number **12/848,960**, filed **02 August 2010**;  
(C) any patent or reissues of any patent that may be granted thereon; and (D) any applications which are  
provisional patent applications which said application claims priority of, or nonprovisional applications  
which claim priority of said application, or continuations, continuations-in-part, substitutes, or divisions  
of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number  
and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Commissioner of  
Patents to issue any resulting patent(s) as follows: 0 % to ASSIGNOR and 100 % to ASSIGNEE.  
(The singular shall include the plural and vice versa herein.)

ASSIGNOR hereby further sells, assigns, transfers and sets over unto ASSIGNEE, the above percentage of  
ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to  
the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority  
rights resulting from the above-identified application for United States Patent. ASSIGNOR agrees to  
execute all papers, give any required testimony, and perform other lawful acts, as ASSIGNEE'S expense,  
as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of  
the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the  
validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.

in testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.

Print Name Yulan Sun

Signature Yulan Sun

Date Apr 13, 2012

Assignment of Invention and Patent Application

For value received, **Donald Chang**  
of **Thousand Oaks, California**

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of **Chatsworth, CA**

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validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.

In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.

Print Name DONALD CHANG

Signature Donald Chang

Date 06/15/2012

PATENT

REEL: 028175 FRAME: 0327

Assignment of Invention and Patent Application

For value received, **Frank Lu**  
of **Reseda, California**

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of Chatsworth, CA

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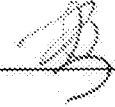
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In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.

Print Name Frank Lu

Signature 

Date 4-10-12

Assignment of Invention and Patent Application

For value received, Yulan Sun  
of Shanghai, China

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Spatial Digital Systems, Inc.  
of Chatsworth, CA

and her or his successors or assigns (hereinafter ASSIGNEE) 100 % of the following: (A) ASSIGNOR'S  
right, title and interest in and to the invention entitled :

"Advance beam-forming technology with cross-polarization cancellation schemes,"

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April 13, 2012, U.S. Patent and Trademark Office Serial Number 13/071,388, filed 24 March 2011;  
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Print Name Yulan Sun

Signature yulan Sun Date Apr. 13. 2012

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Print Name DONALD CHANG

Signature Donald Chang

Date 04/15/2012

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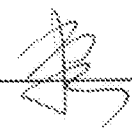
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