501913946 05/08/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

Property Type	Number	
Application Number:	12848960	
Application Number:	13071388	

CORRESPONDENCE DATA

Fax Number: (818)772-2303 Phone: 8187722300

Email: spatialdigital@gmail.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

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

PATENT

REEL: 028175 FRAME: 0324

Total Attachments: 6

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For value received, Yulan Sun
of Shanghai, China
(hereinafter ASSIGNOR) hereby sells, assigns, transfers and sets over unto
Spatial Digital Systems, Inc.
of Chaisworth, CA
and her or his successors or assigns (hereinafter ASSIGNEE)
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 of
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 ar
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:O% to ASSIGNOR and100% to ASSIGNEE.
(The singular shall include the plural and vice versa herein.)
ASSIGNOR hereby further sells, assigns, transfers and sells 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 NameYu Ah Sun
Signature <u>Yelki Go</u> Dane <u>97-73-7972</u>

For value received, Donald Chang	
of Thousand Oaks, California	
(hereinafter ASSIGNOR) hereby sells, assigns, transfers and s	ets over unto
Spatial Digital Systems, Inc.	
of Chatsworth, CA	
and her or his successors or assigns (hereinafter ASSIGNEE) _	
right, title and interest in and to the invention entitled :	
"A Fixed User Terminal for Inclined Orbit Satellite ()peration,"
invented by ASSIGNOR; (B) the application for the United Sta	des patent therefor, signed by ASSIGNOR or
10 April 2012, U.S. Patent and Trademark Office Serial Nun	
(C) any patent or reissues of any patent that may be granted	
provisional patent applications which said application claims	
which claim priority of said application, or continuations, con	
of said application. ASSIGNOR authorizes ASSIGNEE to enter t	
and Filing Date in the spaces above. ASSIGNOR also authorize	
Patents to issue any resulting patent(s) as follows: % t	to ASSIGNOR and% to ASSIGNEE.
(The singular shall include the plural and vice versa herein.)	
ASSIGNOR hereby further sells, assigns, transfers and sets over	er unto ASSIGNEE, the above percentage of
ASSIGNOR's entire right, title and interest in and to said inver	
the United States; and ASSIGNOR further conveys to ASSIGNE	
rights resulting from the above-identified application for Unit	
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 ASSI	
the United States and countries foreign thereto, and to acquii	
validity of said patent and reissues and extensions thereof, ar	nd ASSIGNEE's interest therein.
In testimony whereof ASSIGNOR has hereunto set its hand an	d seal on the date below.
Print Name DONALD CHAVE	
Signature <u>Novall Class</u>	Date_0 4/15/2012

For value received, Frank Lu	
of Reseda, California	
(hereinafter ASSIGNOR) hereby sells, assigns, transfers and sets of	over unto
Spatial Digital Systems, Inc.	
of Chatsworth, CA	
and her or his successors or assigns (hereinafter ASSIGNEE)10	io % of the following: (A) ASSIGNOR'S
right, title and interest in and to the invention entitled :	
"A Fixed User Terminal for Inclined Orbit Satellite Ope	ration,"
invented by ASSIGNOR; (B) the application for the United States 10 April 2012, U.S. Patent and Trademark Office Serial Number (C) any patent or reissues of any patent that may be granted the provisional patent applications which said application claims prior which claim priority of said application, or continuations, continuous of said application. ASSIGNOR authorizes ASSIGNEE to enter the and Filing Date in the spaces above. ASSIGNOR also authorizes a Patents to issue any resulting patent(s) as follows:0% to A (The singular shall include the plural and vice versa herein.)	r 12/848,960, filed 02 August 2010; reon; and (D) any applications which are prity of, or nonprovisional applications uations-in-part, substitutes, or divisions date of signature and/or Serial Number and requests the Commissioner of
ASSIGNOR hereby further sells, assigns, transfers and sets over a ASSIGNOR's entire right, title and interest in and to said invention the United States; and ASSIGNOR further conveys to ASSIGNEE trights resulting from the above-identified application for United execute all papers, give any required testimony, and perform of as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGN the United States and countries foreign thereto, and to acquire, validity of said patent and reissues and extensions thereof, and in testimony whereof ASSIGNOR has hereunto set its hand and said the said patent and reissues and extensions thereof.	in in each and every country foreign to he above percentage of all priority States Patent. ASSIGNOR agrees to her lawful acts, as ASSIGNEE's expense, EE's interest in any resulting patent of hold, enforce, convey, and uphold the ASSIGNEE's interest therein.
angeries of the state of the st	
Print Name Frank U	**************************************
Signature	Date <u>4-/0-/2</u>

For value received,	Yula	in Sun			
of Shanghai, Chi	na				
(hereinafter ASSIGN	IOR) hereb	y sells, assigns, transfe	rs and sets ov	er unto	
Spatial Digital Sys	tems, Inc.				
of Chaisworth, C/					
and her or his succe	ssors or as	signs (hereinafter ASS)	GNEE) <u>100</u>	% of the following: (A) ASSIGN	108%
right, title and inter	est in and t	to the invention entitle	d:		
"Advance beam-i	orming to	schnology with cross	-polarizatio	n cancellation schemes,"	
invented by ASSIGN	OA; (8) the	eapplication for the Un	ited States pa	tent therefor, signed by ASSIGN()R or
April 13, 2012, U.	5. Patent a	nd Trademark Office Se	erial Number)	13/071,388, filed 24 March 20.	11;
(C) any patent or re	issues of ar	ry patent that may be a	granted there:	on; and (D) any applications whic	h are
provisional patent a	pplications	s which said application	i claims priorit	y of, or nonprovisional application	2015
which claim priority	of said app	plication, or continuati	ons, continuat	ions-in-part, substitutes, or divis	ions
of said application.	ASSIGNOR	authorizes ASSIGNEE t	o enter the da	te of signature and/or Serial Nur	nber
				requests the Commissioner of	
				IGNOR and <u>100</u> % to ASSIGN	EE.
(The singular shall is	sclude the	plural and vice versa h	erein.)		
ASSIGNOR hereby fo	urther sells	, assigns, transfers and	sets over unt	o ASSIGNEE, the above percenta	ge of
				n each and every country foreign	; to
the United States; a	nd ASSIGN	OR further conveys to	ASSIGNEE the	above percentage of all priority	
rights resulting fron	the above	-identified application	for United Sta	ites Patent. ASSIGNOR agrees to	
	***			lawful acts, as ASSIGNEE's expe	
	**	4.0		s interest in any resulting patent	
				ld, enforce, convey, and uphold t	he
validity of said pate	nt and reiss	iues and extensions th	ereof, and ASS	iiGNEE's interest therein.	
In testimony where	of ASSIGNO)R has hereunto set its	hand and seal	on the date below.	
Print Name	<u>Yulah</u>	San			
Signature	Yulah			Onte <u>Apr./3-20/2</u>	

For value received, Donald Chang	
of Thousand Oaks, California	
(hereinafter ASSIGNOR) hereby sells, assigns, transfers and sel	ts 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 :	
"Advance beam-forming technology with cross-polariz	ration cancellation schemes,"
invented by ASSIGNOR; (B) the application for the United State 10 April 2012, U.S. Patent and Trademark Office Serial Number (C) any patent or reissues of any patent that may be granted to provisional patent applications which said application claims purposed to the provisional patent applications which said application claims purposed to said application. ASSIGNOR authorizes ASSIGNEE to enter the and Filing Date in the spaces above. ASSIGNOR also authorizes Patents to issue any resulting patent(s) as follows:0% to (The singular shall include the plural and vice versa herein.)	ber 13/071,388, filed 24 March 2011; hereon; and (D) any applications which are priority of, or nonprovisional applications inuations-in-part, substitutes, or divisions he date of signature and/or Serial Number s and requests the Commissioner of
ASSIGNOR hereby further sells, assigns, transfers and sets ove ASSIGNOR's entire right, title and interest in and to said inventible United States; and ASSIGNOR further conveys to ASSIGNED rights resulting from the above-identified application for Unite execute all papers, give any required testimony, and perform as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE the United States and countries foreign thereto, and to acquir validity of said patent and reissues and extensions thereof, an	tion in each and every country foreign to E the above percentage of all priority ed States Patent. ASSIGNOR agrees to other lawful acts, as ASSIGNEE's expense, GNEE's interest in any resulting patent of e, hold, enforce, convey, and uphold the
In testimony whereof ASSIGNOR has hereunto set its hand and	d seal on the date below.
Print Name DOVACD CHANG	
Signature VVV / Che f	Date <i>84-//5/_28/2</i>

For value received, Frank Lu
of Reseda, California
(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)% 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,"
invented by ASSIGNOR; (B) the application for the United States patent therefor, signed by ASSIGNOR or 10 April 2012, U.S. Patent and Trademark Office Serial Number 13/071,388, filed 24 March 2011; (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_FY0VVK_LU
Signature

PATENT REEL: 028175 FRAME: 0331

RECORDED: 05/08/2012