PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4229012

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNMENT NAME ON THE ASSIGNMENT DOCUMENT FROM "SIBEAM" TOSIBEAM, INCpreviously recorded on Reel 024068 Frame 0812. Assignor(s) hereby confirms the ASSIGNMENT DOCUMENT.	

CONVEYING PARTY DATA

Name	Execution Date
KARIM NASSIRI-TOUSSI	05/09/2007
JEFFREY M. GILBERT	05/08/2007
CHUEN-SHEN SHUNG	05/15/2007
DMITRY M. CHERNIAVSKY	05/09/2007

RECEIVING PARTY DATA

Name:	SIBEAM, INC.	
Street Address:	555 N. MATHILDA AVENUE	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94085	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12748276

CORRESPONDENCE DATA

Fax Number: (650)938-5200

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.

Phone: (650) 335-7692

Email: ckenyon@fenwick.com JASON E. AMSEL **Correspondent Name:**

Address Line 1: **801 CALIFORNIA STREET**

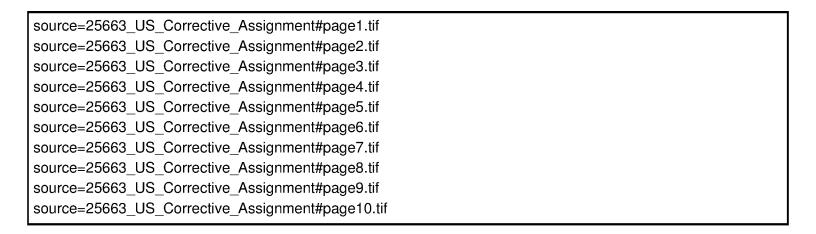
Address Line 4: MOUNTAIN VIEW, CALIFORNIA 94041

ATTORNEY DOCKET NUMBER:	30850-25663/US	
NAME OF SUBMITTER:	JASON E. AMSEL	
SIGNATURE:	/Jason E. Amsel/	
DATE SIGNED:	01/17/2017	

Total Attachments: 10

PATENT REEL: 041388 FRAME: 0019

504181379



PATENT REEL: 041388 FRAME: 0020

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Karim Nassiri-Toussi	05/09/2007
Jeffrey M. Gilbert	05/08/2007
Chuen-Shen Shung	05/15/2007
Dmitry M. Cherniavsky	05/09/2007

RECEIVING PARTY DATA

Name:	SiBeam, Inc.	
Street Address:	555 N. Mathilda Avenue	
City:	Sunnyvale	
State/Country:	CALIFORNIA	
Postal Code:	94085	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	11706711	

CORRESPONDENCE DATA

Fax Number:

(408)720-8383

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone:

408-720-8300

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angela_quinn@bstz.com

Correspondent Name:

Michael J. Mallie

Address Line 1:

1279 Oakmead Parkway

Address Line 4:

Sunnyvale, CALIFORNIA 94085-4040

NAME OF SUBMITTER:

Michael J. Mallie

Total Attachments: 3

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PATENT REEL: 041388 FRAME: 0021

Recordation Form Cover Sheet PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Please re		
Name of conveying party(ies): Karim Nassiri-Toussi; Jeffrey M. Gilbert; Chuen-Shen Shung; Dmitry M. Cherniavsky	Name and address of receiving party(ies): Name: SiBeam, Inc.	
Additional name(s) of conveying party(ies) attached? ☑ No ☐ Yes	Internal Address: Street Address: 555 N. Mathilda Avenue	
3. Nature of Conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: 5/9/07; 5/8/07; 5/15/07; 5/9/07	City: Sunnyvale State: CA Zip: 94085 Country: II.S.A. Additional name(s)& address(es) attached? ☒ No ☐ Yes	
4. Application number(s) or patent number(s):		
A. Patent Application No.(s) 11/706,711	B. Patent No.(s)	
Additional numbers atta	ched? ⊠ No □ Yes	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address:	7. Total Fee (37 CFR 3.41)\$_40.00 ☐ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit Account Number:	
City: Sunnyvale State: CA ZIP: 94085 Phone Number: (408) 720-8300 Fax Number: (408) 720-8383 E-mail Address: michael_mallie@hstz.com	02-2666	
DO NOT USE THIS SPACE		
9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.		
Michael J. Mallie, Reg. No. 36,591 Name of Person Signing	Signature March 11, 2010 Date	
Total number of pages including cover sheet, attachments, and document: 3		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services

Director of the US Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

Docket No. 7624P004

ASSIGNMENT

PATENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby
acknowledged, we
the undersigned, Karim Nassiri-Toussi, Jeffrey M. Gilbert, Chuen-Shen Shung and
Dmitry M. Cherniavsky
hereby sell, assign, and transfer to SiBeam. SiBeam, Inc. Initial: AN Date: 12/8/2016
a corporation of <u>Delaware</u> , having a principal place of business at
555 North Mathilda, Suite 100, Sunnyvale, California 94085, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed February 13, 2007, and assigned Application No and is entitled ADAPTIVE BEAM-STEERING METHODS TO MAXIMIZE WIRELESS LINK BUDGET AND REDUCE DELAY-SPREAD USING MULITPLE TRANSMIT AND RECEIVE ANTENNAS

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filling of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: Vay 9 2007	, 20 <u>0</u> 7	Name: , Karim Nassiri-Toussi
Date: May 8	, 20 <u>°</u> 7	Name // Jeffrey M. Gilbert
Date: May 15	, 20 <u>07</u>	Name: Chuen-Shen Shung
Date: May 9 2007	, 20	Name: Dmitry M. Cherniavsky
Date:	, 20	Name:
Date:		
State of:}	<u>As</u>	ssignment Document Return Address: _AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF
County of:}	12 Lo	_AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF 2400 Wilshire Blvd., Seventh Floor os Angeles, California 90025-1026 08) 720-8598
On this day of 20, before me,, the undersigned Notary Public, personally appeared		
personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)_subscribed to the within instrument, and acknowledged that executed it. WITNESS my hand and official seal.		
Notary's Signature		

- 2 -

ASSIGNMENT

PATENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby				
acknowledged, we				
the undersigned, Karim Nassiri-Toussi, Jeffrey M. Gilbert, Chuen-Shen Shung and				
Dmitry M. Cherniavsky				
hereby sell, assign, and transfer to SiBeam SiBeam Inc. Initial: 940.8 Date: 12/15/2016				
a corporation of <u>Delaware</u> , having a principal place of business at				
555 North Mathilda, Suite 100, Sunnyvale, California 94085 , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed February 13, 2007, and assigned Application No. 11/706,711 and is entitled				
ADAPTIVE BEAM-STEERING METHODS TO MAXIMIZE WIRELESS LINK BUDGET AND				
REDUCE DELAY-SPREAD USING MULITPLE TRANSMIT AND RECEIVE ANTENNAS				

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: Vay 9 2007	, 20 <u>0</u> 7	Name; Karim Nassiri-Toussi			
Date: May 8	, 20 <u>07</u>	Name (Jeffrey M. Gilbert)			
Date: May 15	, 20 <u>07</u>	Name: Chuen-Shen Shung			
Date: May 9 2007	, 20	Name: Dmitry M. Cherniavsky			
Date:					
Date:	, 20	Name:			
State of:}	As	ssignment Document Return Address: LAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF			
County of:	SS. Bl	LAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF 2400 Wilshire Blvd., Seventh Floor			
County of:}		os Angeles, California 90025-1026			
		08) 720-8598			
On this day of		20 , before me,,			
On this day of 20, before me,, the undersigned Notary Public, personally appeared					
personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)_subscribed to the within instrument, and acknowledged that executed it. WITNESS my hand and official seal.					
Notary's Signature					

Rev. 01/01/2000 (A2)

RECORDED: 03/11/2010

- 2 -

ASSIGNMENT

PATENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby				
acknowledged, we				
the undersigned, Karim Nassiri-Toussi, Jeffrey M. Gilbert, Chuen-Shen Shung and				
Dmitry M. Cherniavsky				
hereby sell, assign, and transfer to SiBeam. SiBeam, Inc. Initial: CBS Date: 1/12/2017				
a corporation of <u>Delaware</u> , having a principal place of business at				
555 North Mathilda, Suite 100, Sunnyvale, California 94085, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed February 13, 2007, and assigned Application No and is entitled				
ADAPTIVE BEAM-STEERING METHODS TO MAXIMIZE WIRELESS LINK BUDGET AND				
REDUCE DELAY-SPREAD USING MULITPLE TRANSMIT AND RECEIVE ANTENNAS				
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and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: Vay 9 2007	, 20 <u>0</u> 7	Name; Karim Nassiri-Toussi			
Date: M . y 8	, 20 07	Name / Jeffrey M. Gilbert)			
Date: May 15	, 20 <u>07</u>	Name: Chuen-Shen Shung			
Date: May 9 2007	, 20	Name: Dmitry M. Cherniavsky			
Date:	, 20	Name:			
Date:	, 20	Name:			
State of:}	As	ssignment Document Return Address: _AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF			
	SS. Bl	_AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF 2400 Wilshire Blvd., Seventh Floor			
County of:	Lo	os Angeles, California 90025-1026			
	(4	08) 720-8598			
On this day of 20, before me,, the undersigned Notary Public, personally appeared,					
personally known to me [_] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)_subscribed to the within instrument, and acknowledged that _executed it. WITNESS my hand and official seal.					
Notary's Signature					

PATENT

REEL: 041388 FRAME: 0028

filing of said United States application:

ASSIGNMENT

PATENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby
acknowledged, we
the undersigned, Karim Nassiri-Toussi, Jeffrey M. Gilbert, Chuen-Shen Shung and
Dmitry M. Cherniavsky
hereby sell, assign, and transfer to SiBeam, Inc. Initial: D.C. Date: 12/19/2016
a corporation of <u>Delaware</u> , having a principal place of business at
555 North Mathilda, Suite 100, Sunnyvale, California 94085 , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed February 13, 2007, and assigned Application No11/706,711 and is entitled ADAPTIVE BEAM-STEERING METHODS TO MAXIMIZE WIRELESS LINK BUDGET AND REDUCE DELAY-SPREAD USING MULITPLE TRANSMIT AND RECEIVE ANTENNAS
and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

foreign countries on said improvements; and in and to all rights of priority resulting from the

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: Way 9 2007	, 20 <u>0</u> 7	Name; Karim Nassiri-Toussi		
Date: May 8	, 20 07	Name Jeffrey M. Gilbert)		
Date: May 15	, 20 <u>8</u> 7	Name: Chuen-Shen Shung		
Date: May 9 2007				
Date:	, 20	Name:		
Date:	, 20	Name:		
State of:}	As	ssignment Document Return Address: _AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF		
County of:}	SS. BI	_AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF 2400 Wilshire Blvd., Seventh Floor		
	Lo	os Angeles, California 90025-1026 08) 720-8598		
On this day of 20, before me,, the undersigned Notary Public, personally appeared,				
personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)_subscribed to the within instrument, and acknowledged that executed it. WITNESS my hand and official seal.				
Notary's Signature				