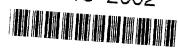
05-13-2002





FORM **PTO-1595**

(Rev. 3/01) OMD NO. 0651-0011 exp. 5/31/2

eet

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

1020866,	5.6.03	
To the Honorable Commissioner of Patents and Trademarks. P	lease record the attached original documents or copy thereof.	
Name of conveying party(ies):	Name and address of receiving party(ies):	
LI, Xiaodong	Name: Broadstorm Telecommunications, Inc.	
LIU, Hui	a Delaware corporation	
LI, Kemin	Address: 400 112 th Avenue NE	
ZHANG, Wenzhong	Bellevue, WA 98004	
Additional name(s) of conveying party(ies) attached? No		
3. Nature of Conveyance	Country: USA	
☑ Assignment ☐ Merger		
☐ Security Agreement ☐ Change of Name		
☐ Other:		
Execution Date(s): June 19, 2001	Additional name(s) & address(es) attached? ☐ Yes ☑ No	
Application Number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)	
09/738,086 Additional numbers attack	hed? □ Yes ☑ No	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:	
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$40.00	
Internal Address:	☑ Enclosed	
Street Address: 12400 Wilshire Boulevard, 7th Floor	☐ Authorized to be charged to deposit account	
City: Los Angeles State: California Zip: 90025	8. Deposit Account Number:	
	02-2666 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document		
Michael J. Mallie	gnature Date	
Name of Person Signing Total number of pages including cov	ver sheet, attachments, and document: 3	
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Washington, D.C. 20231

Atty Docket No. 005158.P002

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PATENT REEL: 012870 FRAME: 0776 07-31-2001

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FORM PTO-1595 (Rev. 3/01) OMD NO. 0651-0011 exp. 5/31/2002) PATEN	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): ///// 9///	Name and address of receiving party(ies):	
(1/1/2/19)		
Xiaodong Li, Hui Li, Wenzhong Zhang	Name: Broadstorm Telecommunications, Inc.	
Additional name(s) of conveying party(ies) attached? ■ No □Yes	Internal Address:	
3. Nature of Conveyance	Street Address: 2469 152 nd Avenue NE	
Assignment Merger		
☐ Security Agreement ☐ Change of Name	City: Redmond State/Provence: Washington Zip: 98052.	
Other:	Country: United States	
Execution Date(s): 6/19/2001	Additional name(s) & address(es) attached? No	
Application Number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)	
09/738,086	Mechad? Vec No. 1	
Additional numbers attached? Yes No Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1		
concerning document should be mailed:	The second secon	
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$40.00	
Internal Address:	■ Enclosed	
Street Address: 12400 Wilshire Boulevard, 7th Floor	Authorized to be charged to deposit account	
City: Los Angeles State: California Zip: 90025	8. Deposit Account Number:	
-	02-2666	
	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document		
$\sim \sim$ 11. $L_{\rm c}$		
Michael J. Mallie	1 1 15 / D 1	
Name of Person Signing Total number of pages including cover sheet, attachments, and document: [3]		
Total number of pages including cover sheet, and cover sheet information to:		

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Atty Docket No.

07/31/2001 TDIAZ1 00000010 09738086 01 FC:581 40.00 0P

PATENT

Attorney's Docket

No.: 005158.P002

ASSIGNMENT

(For Execution After Filing Patent Application)

acknowledged, We the undersigned, Xiaodong Li, Hui Liu, Kemin Li, and Wenzhong Zhang			
			hereby sell, assign, and transfer to Broadstorm Telecommunications, Inc.
a corporation of <u>Delaware</u> , having a principal place of business at			
2469 152 nd Avenue NE, Redmond, Washington 98052 , ("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 <u>December 15, 2000</u> and assigned Application No. <u>09/738,086</u> and is entitled			
OFDMA WITH ADAPTIVE SUBCARRIER-CLUSTER CONFIGURATION AND			
SELECTIVE LOADING			

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.

Rev. 01/01/2000 (A2)

Date: 6/19/2001	_, 2001	- Timely hot
Date: $\frac{6/19/2001}{6/19/2001}$	_, 2001	Name: Kui Liu
Date: 6/19/2001	_, 2001	Name: Kémin Li
Date: 6/19/2001	_, 2001	Name: Wenzhong Zhang
Date:	_, 20	Name:
Date:	_, 20	Name:
State of:	12 Lo	ssignment Document Return Address: AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 2400 Wilshire Blvd., Seventh Floor os Angeles, California 90025-1026 08) 720-8598
the undersigned Notary Public,	persona	20, before me,, ally appeared
personally known to me abe the person(s) whose name(acknowledged that executed if WITNESS my hand and official	s)_subsc t.	to me on the basis of satisfactory evidence to cribed to the within instrument, and
Notary's Signature	<u></u>	

- 2 -

Rev. 01/01/2000 (A2)