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ATTORNEY DOCKET: 064731.0209

FORM PTO 1595

102086683

U.S. DEPARTMENT OF

Patent and Trademark Office

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Name and Address of Conveying Party(ies) INDIVIDUAL:	Name and Address of receiving Party(ies):							
Paul R. Morkel	Name: Fujitsu Network Communications, Inc.							
1419 Tascosa Ct. Allen, Collin County, Texas 75013	Internal Address: 2801 Telecom Parkway							
Individual Citizenship: United States of America	Street Address: 2801 Telecom Parkway							
Additional name(s) of conveying party(ies) attached?	City: Richardson							
YesX_ No	State: Texas Zip: 75082							
3. Nature of conveyance:								
X Assignment	Additional name(s) & Address(es) attached? Yes X No							
Execution Date: August 13, 1999 4. Application number(s) or patent number(s):								
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the c	xecution date of the application is:							
A. Patent Application No.(s): 09/377,017	B. Patent No.(s):							
	Additional Numbers Yes X No							
5. Name and address of party to whom correspondence concerning	6. Total number of application and patents involved: One							
document should be mailed to:	7. Total Fee (37C.F.R. 3.41): \$40.00							
Name: Barton E. Showalter	X Enclosed							
Internal Address: BAKER BOTTS L.L.P. Street Address: 2001 Ross Avenue	Authorized to be charged to deposit account							
City: Dallas	Deposit Account Number:							
State: Texas Zip 75201-2980	8. Deposit Account Number: (Attach Duplicate Copy of this page if paying by deposit account)							
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is	true and correct and any attached copy is a true copy of the original							
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Barton E. Showalter	100 26, 2002							
Signature	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
	Total number of pages including cover sheet							
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for this comple cover theet is estimated to as	document to be recorded including time for							
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Office of Management and Budget, Paperwork Reduction Project, (500								

PATENT REEL: 012870 FRAME: 0845

FORM PTO-1595	Docket: FNC-0013 U.S. Department of Commerce					
REC	Patent and Trademark Office					
To the Honorable Commissioner of Patents and Trademarks. Please	record the attached original documents or copy thereof.					
Name of conveying party(ies):	Name and Address of receiving party(ies):					
Paul Morkel 1419 Tascosa Ct. Allen, TX 75013	Name: Fujitsu Network Communications Address: 2801 Telecom Parkway City: Richardson					
Additional name(s) & address(es) attached? Yes _x_ No	State: TX Zip: 75082 Additional name(s) & address(es) attached? Yesx No					
3. Nature of Conveyance:						
x Assignment Merger						
Security Agreement Change of Name						
Other						
Execution Date: August 13, 1999						
Application number(s) or patent number(s). If this document is being filed together with a new application, the A. Patent Application No.(s) 998707	execution date of the application is: August 13, 1999 B. Patent No.(s)					
Additional numbers attached? Yes No	Additional numbers attached? Yes No					
Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved:1					

	If this document is being filed together with a new application, the execution date of the application is: August 13, 1999								
	A. Pater	nt Application No.(s)	0913710	7	B. Pa	atent No.(s)			
	Additiona	I numbers attached?	' Yes	_ No	Additio	onal numbers attac	ched?	Yes No	1990
5.	Name and address of party to whom correspondence concerning document should be mailed:			Number of applications and patents involved:1					
	Name:	Ira S. Matsil							
	Address:	Slater & Matsil, L.L. 15150 Preston Roa Dallas							
	State:	Texas	Zip: 75248						
								ed to be charged:	\$40.0C
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9.	Statemer To the be	est of my knowledge				2	•		he original
		Signature		Ira S. Matsil, Name of	Reg. No. 3 Person Sig	35,272 Sening		Aug_16, 1999 Date	
Signature Ira S. Matsil, Reg. No. 35,272 Name of Person Signing Total number of pages including cover sheet, attachments and ocument:									
						9	2 2		

REEL: 012870 FRAME: 0846

ASSIGNMENT

WHEREAS, I, PAUL R. MORKEL is the sole inventor of "WAVELENGTH PRESERVING REGENERATOR FOR DWDM TRANSMISSION SYSTEMS" application for United States Letters Patent which is executed of even date herewith; and

WHEREAS, FUJITSU NETWORK COMMUNICATIONS, INC., a corporation created and existing under and by virtue of the laws of the State of California, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign, transfer and set over to FUJITSU NETWORK COMMUNICATIONS, INC. all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by FUJITSU NETWORK COMMUNICATIONS, INC. for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to FUJITSU NETWORK COMMUNICATIONS, INC. as assignee of my entire interest, and hereby covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith.

And I further hereby covenant and agree that I will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to FUJITSU NETWORK COMMUNICATIONS, INC., its successors, assigns, or other legal representatives and that if FUJITSU NETWORK COMMUNICATIONS, INC., its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And I do further covenant and agree that I will, at any time upon request, communicate to FUJITSU NETWORK COMMUNICATIONS, INC., its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to me, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 13 day of August, 1994.

PAUL R. MORKEL

Attorney Docket No.: FNC-0014

RECORDED: 05/06/2002

PATENT REEL: 012870 FRAME: 0847