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COMMERCE

Patent and Trademark 101646063 Office To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) John W. Linebarger, Durga P. Satapathy, and Name: Sprint Communications Company, L.P. Michael J. Gettles Address: 8140 Ward Parkway Kansas City, Missouri 6411 Additional name(s) of conveying party(ies) attached? □ Yes 

No 3. Nature of conveyance Street Address: 8140 Ward Parkway □ Merger □ Security Agreement □ Change of Name City: Kansas City State: MO Zip: 64114 □ Other Additional name(s) & address(es) attached? □ Yes 図 No Execution Date: January 2, 2001 4. 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: January 2, 2001 A. Patent Application No.(s) Additional numbers attached? □ Yes ☑ No party to whom 6. Total number of applications and patents and address of correspondence concerning document should be involved: 1 mailed: 7. Total fee (37 CFR 3.41).....\$ Name: Harley R. Ball, Esq. ☑ Authorized on New Application Transmittal Internal Address: Sprint Law Department □ Enclosed □ Charge Deposit Account Street Address: 8140 Ward Parkway 8. Deposit Account Number: 21-0765 Mailstop: MOKCMP0503 (Attach duplicate copy of this page if paying by deposit City: Kansas City State: Missouri Zip: 64114 account) DO NOT USE THIS SPACE 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 document. James M. Stipek, Esq. Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

03784517 @e000129 810/58 378878982 976851 40.00 CH Ji FitShi

**PATENT** 

REEL: 011602 FRAME: 0543

## ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

For valuable consideration received, I hereby sell, assign and transfer to Sprint Communications Company L.P., a limited partnership duly organized and existing under the laws of the State of Delaware, United States of America, its successors and assigns, my entire right, title and interest, for all countries in and to said inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees. If I fail to perform those acts requested in the previous sentence, damages will be the amount of any honorarium that I received for this invention(s). This will not preclude Sprint or its successors, assigns and nominees from taking any action for securing, maintaining, or vesting title to Sprint, or its successors, assigns and nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with Sprint Communications Company L.P., its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above identified application.

After this Assignment has been recorded, please return it to:

Attn: Harley R. Ball

Sprint Law Department 8140 Ward Parkway Mailstop: MOKCMP0503 Kansas City, Missouri 64114

> PATENT REEL: 011602 FRAME: 0544

	Sprint Docket No. 1459 Express Mail Label No. EL578977251US
SOLE or JOINT INVENTOR	
Inventor: <u>John W. Linebarger</u> (Printed Name)	Huw. J. (Signature)
Citizenship: United States of America	Date: $1/2/0/$
Post Office Address: 9209 West 131st Terrace Overland Park, Kansas 66213	<i>/ '</i>
Residence: 9209 West 131st Terrace Overland Park, Kansas 66213	4
1st Witness: Deboroh A. Rigg 3 bee (Type or Print)	Selvach Stagelles (Signature)
2nd Witness: Tracy Brooks (Type or Print)	Trany Broker (Signature)
SOLE or JOINT INVENTOR	·¬
Inventor: Durga P. Satapathy (Printed Name)	(Signature)
Citizenship: India Date:	1/2/0/
Post Office Address: 17684 West 159 <sup>th</sup> Terrace Olathe, Kansas 66062	
Residence: 17684 West 159 <sup>th</sup> Terrace Olathe, Kansas 66062	
1st Witness: Deborah A. Ricas bee (Type or Print)	About S. Regions (Signature)
2nd Witness: Tracy Brooks (Type or Print)	(Signature)

Sprint Docket No. 1459 Express Mail Label No. EL578977251US

SOLE or JOINT INVENTOR	11 0.
Inventor: Michael J. Gettles (Printed Name)	Wolland Signature
Citizenship: United States of America	Date 1/29/2001
Post Office Address: 9115 W. 73 <sup>rd</sup> Street Merriam, Kansas 66204	
Residence: 9115 W. 73 <sup>rd</sup> Street Merriam, Kansas 66204	
1st Witness: (Type or Print)	(Signature)
2nd Witness: THOMAS F. Brown (Type or Print)	Thomas T. Burn (Signature)

JMS&rc/835008.1

## ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor	(if only one inventor is named below) or an original, first and joint			
inventor (if plural inventors are named below) of the	e invention relating to "System and Method For Transmitting			
Signals Over A Fiber Strand" described in an application for Letters Patent of the United States of America filed on				
, Application No	, or, if not identified here by filing date and serial number, executed			
by me on even date with my execution of this Assignment.				

For valuable consideration received, I hereby sell, assign and transfer to Sprint Communications Company L.P., a limited partnership duly organized and existing under the laws of the State of Delaware, United States of America, its successors and assigns, my entire right, title and interest, for all countries in and to said inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees. If I fail to perform those acts requested in the previous sentence, damages will be the amount of any honorarium that I received for this invention(s). This will not preclude Sprint or its successors, assigns and nominees from taking any action for securing, maintaining, or vesting title to Sprint, or its successors, assigns and nominees.

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I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

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> PATENT REEL: 011602 FRAME: 0547

Sprint Docket No. 1459 Express Mail Label No. EL578977251US

		Express Mail Label No. EL578977251US
SOLE or JO	INT INVENTOR	
Inventor:	John W. Linebarger (Printed Name)	Auw. (Signature)
Citizenship:	United States of America	Date: 1/2/0/
Post Office A	Address: 9209 West 131 <sup>st</sup> Terrace Overland Park, Kansas 66213	
Residence:	9209 West 131 <sup>st</sup> Terrace Overland Park, Kansas 66213	
1st Witness:	Deboroh A. Rigg & bee (Type or Print)	Signatures (Signature)
2nd Witness	: Tracy Brooks (Type or Print)	July Broken (Signature)
SOLE or JO	INT INVENTOR	·
Inventor:	Durga P. Satapathy (Printed Name)	(Signature)
Citizenship:	India Date:	1/2/01
Post Office	Address: 17684 West 159 <sup>th</sup> Terrace Olathe, Kansas 66062	
Residence:	17684 West 159 <sup>th</sup> Terrace Olathe, Kansas 66062	· ·
1st Witness:	Deborah A Riggsbee (Type or Print)	Johnsh S. Rights (Signature)
2nd Witness	: Tracy Brooks (Type or Print)	(Signature)

SOLE or JOINT IN	NVENTOR	
	Michael J. Gettles ted Name)	Wolfael Signature
Citizenship: Unite	ed States of America	Date 1/29/2001
Post Office Addres	s: 9115 W. 73 <sup>rd</sup> Street Merriam, Kansas 66204	
Residence:	9115 W. 73 <sup>rd</sup> Street Merriam, Kansas 66204	
1st Witness:	(Type or Print)	(Signature)

JMS&rc/835008.1

2nd Witness: THOMAS F. BROWN (Type or Print)

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PATENT REEL: 011602 FRAME: 0549