

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RON L. HOUSE	09/05/2003
RICH E. HAYWARD	09/05/2003
RECEIVING PARTY DATA	
Name:	SPRINT COMMUNICATIONS COMPANY L.P.
Street Address:	6391 SPRINT PARKWAY
Internal Address:	KSOPHTO101-Z2100
City:	OVERLAND PARK
State/Country:	KANSAS
Postal Code:	66251-2100
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10656033
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 1:	2555 GRAND BLVD.
Address Line 2:	SHOOK, HARDY & BACON L.P.
Address Line 4:	KANSAS CITY, MISSOURI 64108-2613
ATTORNEY DOCKET NUMBER:	2217/SPRI.103013
NAME OF SUBMITTER:	KELLY T. FEIMSTER
<p>Total Attachments: 2</p> <p>source=2217_SPRI103013_ExecutedAssignment#page1.tif</p>	

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**PATENT**  
**REEL: 019765 FRAME: 0974**



Sprint Docket No. 2217/SPRI.103013

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

**INVENTORS: RON L. HOUSE and RICH E. HAYWARD.**

I hereby declare that I am an original, first and joint inventor of the invention relating to SPATIAL POINT TO CABLE DISTANCE CALCULATOR FOR HIGH BANDWIDTH METROPOLITAN AREA NETWORKS, described in an application for Letters Patent of the United States of America, executed by me on even date with my execution of this Assignment, and which is a continuation-in-part of U.S. patent application No. 10/354,346, filed January 30, 2003, entitled System and Method for Mapping Deployment Status of High Bandwidth Metropolitan Area Networks.

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 limited partnership 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 limited partnership, its successors, assigns or nominees.

I agree that I will communicate to said limited partnership or its representatives any facts known to me respecting said inventions and when requested by said limited partnership and at its expense will testify in any legal proceedings, and generally do everything possible to aid said limited partnership, 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 limited partnership, 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 limited partnership 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 addenda related to the above identified application.

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


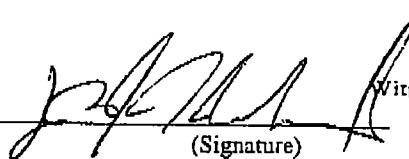
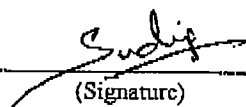
Attn: Kevin D. Robb  
KSOPHT0101-72100  
6391 Sprint Parkway  
Overland Park, Kansas 66251-2100

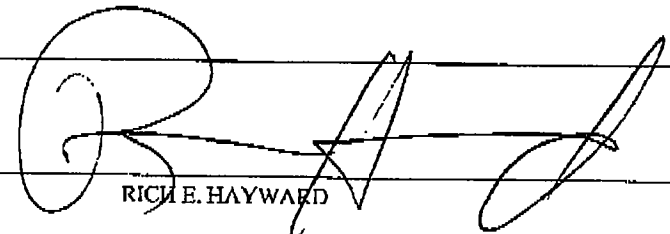

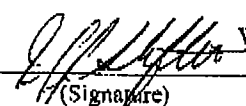
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**PATENT**  
**REEL: 019765 FRAME: 0976**

Sprint Docket No. 2217/SPRI.103013

Inventor's Signature:		<u>Sept 5, 2003</u>	Date
RON L. HOUSE			
Residence:	Stillwell, Johnson County, Kansas		
Citizenship:	U.S.A.		
Post Office address:	6800 West 194 <sup>th</sup> Street Stillwell, Kansas 66085-6471		
1st	<u>JOHN HILDERBRAND</u>		Witness:
	(Type or Print Name)	(Signature)	
2nd	<u>SUDIP SEN</u>		Witness:
	(Type or Print Name)	(Signature)	

Inventor's Signature:		<u>5-SEP-03</u>	Date
RICH E. HAYWARD			
Residence:	Overland Park, Johnson County, Kansas		
Citizenship:	U.S.A.		
Post Office address:	12707 West 120 <sup>th</sup> Street Overland Park, Kansas 66210		
1st	<u>RAVI BANDI</u>		Witness:
	(Type or Print Name)	(Signature)	
2nd	<u>Jeff Shiflett</u>		Witness:
	(Type or Print Name)	(Signature)	

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