

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>TIMOTHY HUGH PEARSON</td> <td>04/23/2013</td> </tr> <tr> <td>STEVEN KENNETH GUTHRIE</td> <td>04/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	TIMOTHY HUGH PEARSON	04/23/2013	STEVEN KENNETH GUTHRIE	04/23/2013						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>SPRINT COMMUNICATIONS COMPANY L.P.</td> </tr> <tr> <td>Street Address:</td> <td>6391 SPRINT PARKWAY</td> </tr> <tr> <td>Internal Address:</td> <td>KSOPHT0101-Z2100</td> </tr> <tr> <td>City:</td> <td>OVERLAND PARK</td> </tr> <tr> <td>State/Country:</td> <td>KANSAS</td> </tr> <tr> <td>Postal Code:</td> <td>66251-2100</td> </tr> </table>		Name:	SPRINT COMMUNICATIONS COMPANY L.P.	Street Address:	6391 SPRINT PARKWAY	Internal Address:	KSOPHT0101-Z2100	City:	OVERLAND PARK	State/Country:	KANSAS	Postal Code:	66251-2100
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CORRESPONDENCE DATA													
Fax Number: 8164215547 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 913-315-9261 Email: brush@shb.com Correspondent Name: SPRINT COMMUNICATIONS COMPANY L.P. Address Line 1: 6391 SPRINT PARKWAY Address Line 2: KSOPHT0101-Z2100 Address Line 4: OVERLAND PARK, KANSAS 66251-2100													
ATTORNEY DOCKET NUMBER:	9236/SPRI.180492												
NAME OF SUBMITTER:	Anthony B. Wingrove												
Signature:	/Anthony B. Wingrove/												

Date:

04/25/2013

Total Attachments: 2

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

INVENTOR(S): TIMOTHY HUGH PEARSON, STEVEN KENNETH GUTHRIE

I hereby declare that I am an original, first or joint inventor of the invention relating to

**INCREASING ACCURACY FOR DELIVERING PRECISION TIME PROTOCOL  
FREQUENCY AND PHASE SYNCHRONIZATION OVER A NETWORK  
WITHOUT ON-PATH SUPPORT**

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.

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.

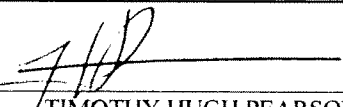
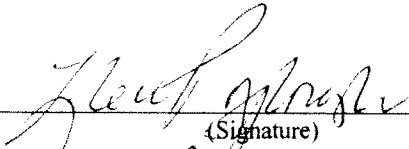
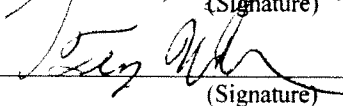
I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said limited partnership or its successors, assigns 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.

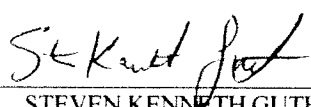
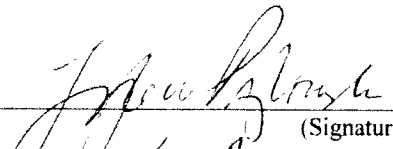
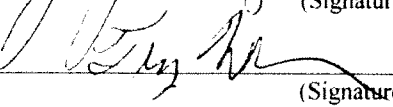
I covenant with SPRINT COMMUNICATIONS COMPANY L.P., its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

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

Please direct any questions regarding this Assignment to:

Attn: Customer No. 32423  
Steven J. Funk  
(913) 315-9274

Inventor's Signature:		4/22/13
	TIMOTHY HUGH PEARSON	Date
Residence:	Overland Park, Kansas	
Citizenship:	USA	
Post Office address:	7520 W. 114 <sup>th</sup> Terrace Overland Park, Kansas 66210	
1st Witness:	Lyle W Paczkowski	 (Signature)
	(Type or Print Name)	
2nd Witness:	Tracy Nelson	 (Signature)
	(Type or Print Name)	

Inventor's Signature:		4/23/2013
	STEVEN KENNETH GUTHRIE	Date
Residence:	Kansas City, Missouri	
Citizenship:	USA	
Post Office address:	1030 West 66 <sup>th</sup> Street Kansas City, Missouri 64113	
1st Witness:	Lyle W Paczkowski	 (Signature)
	(Type or Print Name)	
2nd Witness:	Tracy Nelson	 (Signature)
	(Type or Print Name)	