

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4386861

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID N. DOUBERLY	04/24/2017
BRYSON EARL	04/27/2017
JUSTIN L. FORD	04/04/2017
JONATHAN E. MEJIAS	04/23/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Sprint Communications Company L.P.
<b>Street Address:</b>	6450 Sprint Parkway
<b>Internal Address:</b>	MailStop KSOPHN0312-3A371
<b>City:</b>	Overland Park
<b>State/Country:</b>	KANSAS
<b>Postal Code:</b>	66251-2100
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15498410
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)731-2289
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	972.731.2288
<b>Email:</b>	dallaspatents@dfw.conleyrose.com
<b>Correspondent Name:</b>	MICHAEL W. PIPER
<b>Address Line 1:</b>	5601 GRANITE PARKWAY
<b>Address Line 2:</b>	STE. 500
<b>Address Line 4:</b>	PLANO, TEXAS 75024
<b>ATTORNEY DOCKET NUMBER:</b>	IDF 11399 (4300-68400)
<b>NAME OF SUBMITTER:</b>	MICHAEL W. PIPER
<b>SIGNATURE:</b>	/Michael W. Piper/
<b>DATE SIGNED:</b>	04/27/2017
<b>Total Attachments: 4</b>	

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**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 invention relating to a **"Systems and Methods for Network Element Access Analysis, Collision Avoidance, and Fault Resolution"** described in an application for Letters Patent of the United States of America filed herewith, 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.

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: Steven J. Funk  
Sprint Law Department  
6450 Sprint Parkway  
Overland Park, KS 66251

SOLE OR JOINT	
Inventor: David N. Douberley	<u>David Douberley</u> (Signature in Full)
Citizenship: US	Date: <u>4/24/2017</u>
Post Office Address: 1103 Alfred Drive, Orlando, FL 32810	
Residence:	same

SOLE OR JOINT	
Inventor: Bryson Earl	<u>Bryson Earl</u> (Signature in Full)
Citizenship: US	Date: <u>4-24-2017</u>
Post Office Address: 519 Terraceview Cove, Apt. 305, Altamonte Springs, FL 32714	
Residence:	same

SOLE OR JOINT	
Inventor: Justin L. Ford	_____ (Signature in Full)
Citizenship: US	Date: _____
Post Office Address: 2916 Plaza Terrace Drive, Orlando, FL 32803	
Residence:	same

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SOLE OR JOINT

Inventor: David N. Douberley

\_\_\_\_\_  
(Signature in Full)

Citizenship: US

Date: \_\_\_\_\_

Post Office Address: 1103 Alfred Drive, Orlando, FL 32810

Residence: same

SOLE OR JOINT

Inventor: Bryson Earl

\_\_\_\_\_  
(Signature in Full)

Citizenship: US

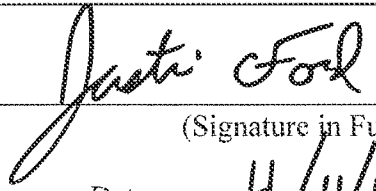
Date: \_\_\_\_\_

Post Office Address: 519 Terraceview Cove, Apt. 305, Altamonte Springs, FL 32714

Residence: same

SOLE OR JOINT

Inventor: Justin L. Ford

  
\_\_\_\_\_  
(Signature in Full)

Citizenship: US

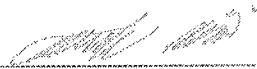
Date: 4/4/17

Post Office Address: 2916 Plaza Terrace Drive, Orlando, FL 32803

Residence: same

SOLE OR JOINT

Inventor: Jonathan E. Mejias

  
(Signature in Full)

Citizenship: US

Date: 4-23-17

Post Office Address: 12793 Enclave Drive, Orlando, FL 32837

Residence: same