

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Michael A. Emigh</td> <td>12/18/2012</td> </tr> <tr> <td>Matthew D. Kurtz</td> <td>12/20/2012</td> </tr> <tr> <td>Brian D. Lushear</td> <td>12/20/2012</td> </tr> <tr> <td>Drew A. Shinholster Jr.</td> <td>12/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael A. Emigh	12/18/2012	Matthew D. Kurtz	12/20/2012	Brian D. Lushear	12/20/2012	Drew A. Shinholster Jr.	12/20/2012		
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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>6450 Sprint Parkway</td> </tr> <tr> <td>Internal Address:</td> <td>MailStop KSOPHN0312-3A371</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:	6450 Sprint Parkway	Internal Address:	MailStop KSOPHN0312-3A371	City:	Overland Park	State/Country:	KANSAS	Postal Code:	66251-2100
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13723189</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13723189								
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CORRESPONDENCE DATA													
Fax Number: 9727312289 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 972.731.2288 Email: dallaspatents@dfw.conleyrose.com Correspondent Name: Michael W. Piper Address Line 1: 5601 Granite Parkway Address Line 2: Ste. 750 Address Line 4: Plano, TEXAS 75024													
ATTORNEY DOCKET NUMBER:	IDF 7879 (4300-12200)												
NAME OF SUBMITTER:	Michael W. Piper												
Total Attachments: 3 source=SPNT_4300_12200_IDF_7879_Assignment_Emigh_Kurtz_Lushear_Shinholster_signed#page1.tif source=SPNT_4300_12200_IDF_7879_Assignment_Emigh_Kurtz_Lushear_Shinholster_signed#page2.tif source=SPNT_4300_12200_IDF_7879_Assignment_Emigh_Kurtz_Lushear_Shinholster_signed#page3.tif													

CH \$40.00 13723189

**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 **"Time-based Log and Alarm Integration Search Tool for Trouble-shooting"** 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.

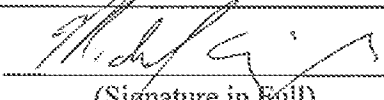
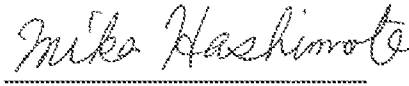

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or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

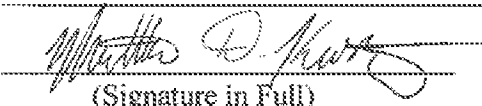

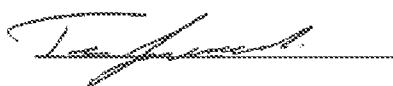
I covenant with Sprint Communications Company L.P., its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

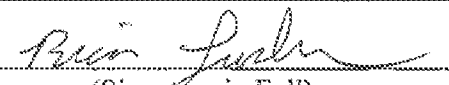
This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above identified application.


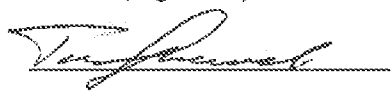
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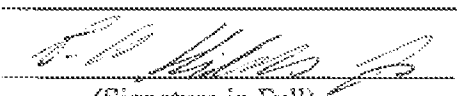

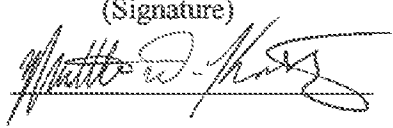
Attn: Steven J. Funk
Sprint Law Department
6450 Sprint Parkway
Overland Park, KS 66251

SOLE OR JOINT	
Inventor (1): Michael A. Emigh	 (Signature in Full)
Citizenship: US	Date: 12-13-2012
Post Office Address: 26-1-2309 Kamimeguro 1 chome, Meguro-ku, Tokyo, Japan 153-0051	
Residence: same	
1st Witness: Mika Hashimoto	 (Signature)
(Type or Print)	
2nd Witness: Akira Shukla	 (Signature)
(Type or Print)	

SOLE OR JOINT	
Inventor (2): Matthew D. Kurtz	 (Signature in Full)
Citizenship: US	Date: 12/20/2012
Post Office Address: 1366 Black Willow Trail, Altamonte Springs, FL 32714	
Residence: same	
1st Witness: Brian Lushear	 (Signature)
(Type or Print)	
2nd Witness: Todd Symanski	 (Signature)
(Type or Print)	

SOLE OR JOINT	
Inventor (3): Brian D. Lushear	 (Signature in Full)

Citizenship: US	Date: <u>12/20/12</u>
Post Office Address: 1382 Blue Spruce Court, Winter Springs, FL 32708	
Residence: same	
1st Witness: <u>Matthew D. Kurtz</u>	<u></u>
(Type or Print)	(Signature)
2nd Witness: <u>Tommy Seymour</u>	<u></u>
(Type or Print)	(Signature)

SOLE OR JOINT	
Inventor (4): Drew A. Shinholster, Jr.	<u></u>
	(Signature in Full)
Citizenship: US	Date: <u>12/20/2012</u>
Post Office Address: 204 Quayside Circle Unit 402, Maitland, FL 32751	
Residence: same	
1st Witness: <u>Brian Lushar</u>	<u></u>
(Type or Print)	(Signature)
2nd Witness: <u>Matthew D. Kurtz</u>	<u></u>
(Type or Print)	(Signature)