

## 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>Mario Vela</td> <td>10/17/2012</td> </tr> <tr> <td>Michael Irizarry</td> <td>10/19/2012</td> </tr> <tr> <td>Narothum Saxena</td> <td>10/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mario Vela	10/17/2012	Michael Irizarry	10/19/2012	Narothum Saxena	10/19/2012
Name	Execution Date								
Mario Vela	10/17/2012								
Michael Irizarry	10/19/2012								
Narothum Saxena	10/19/2012								
RECEIVING PARTY DATA									
Name:	United States Cellular Corporation								
Street Address:	8410 W. Bryn Mawr Ave.								
Internal Address:	Suite 700								
City:	Chicago								
State/Country:	ILLINOIS								
Postal Code:	60631-3486								
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>13656856</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13656856				
Property Type	Number								
Application Number:	13656856								
CORRESPONDENCE DATA									
Fax Number:	3126165700								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	3126165600								
Email:	assignments@leydig.com								
Correspondent Name:	Leydig, Voit & Mayer, Ltd.								
Address Line 1:	180 N. Stetson Ave.								
Address Line 2:	Suite 4900								
Address Line 4:	Chicago, ILLINOIS 60601								
ATTORNEY DOCKET NUMBER:	275937								
NAME OF SUBMITTER:	Mark Joy								
Total Attachments: 4 source=275937_Assignment_efs#page1.tif source=275937_Assignment_efs#page2.tif source=275937_Assignment_efs#page3.tif source=275937_Assignment_efs#page4.tif									

CH \$40.00 13656856

Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza  
Suite 4900  
Chicago, Illinois 60601-6731

**ASSIGNMENT**

**WHEREAS, WE**, Mario Vela; Michael Irizarry; and Narothum Saxena, of 306 Johnsons Corner Road, Knoxville, TN 37934; 29 Rolling Hills Drive, Barrington Hills, IL 60010; and 4950 N. Tamarack Drive, Hoffman Estates, IL 60179, respectively, have invented and own a certain invention entitled:

**DETECTING AND PROCESSING ANOMALOUS PARAMETER DATA POINTS  
BY A MOBILE WIRELESS DATA NETWORK FORECASTING SYSTEM**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on October 22, 2012, under U.S. Application No. 13/656,856, and

**WHEREAS**, United States Cellular Corporation, of 8410 W. Bryn Mawr Ave., Suite 700, Chicago, IL 60631-3486, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

In re Appln. of Mario Vela et al.  
Attorney Docket No. 275937

**WE DO HEREBY COVENANT** and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date: 10/19/12

Mario Vela

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

Michael Irizarry

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

Narotham Saxena

Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza  
Suite 4900  
Chicago, Illinois 60601-6731

## ASSIGNMENT

**WHEREAS, WE,** Mario Vela; Michael Irizarry; and Narothum Saxena, of 306 Johnsons Corner Road, Knoxville, TN 37934; 29 Rolling Hills Drive, Barrington Hills, IL 60010; and 4950 N. Tamarack Drive, Hoffman Estates, IL 60179, respectively, have invented and own a certain invention entitled:

### DETECTING AND PROCESSING ANOMALOUS PARAMETER DATA POINTS BY A MOBILE WIRELESS DATA NETWORK FORECASTING SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on October 22, 2012, under U.S. Application No. 13/656,856, and

**WHEREAS,** United States Cellular Corporation, of 8410 W. Bryn Mawr Ave., Suite 700, Chicago, IL 60631-3486, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE,** for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION,** we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

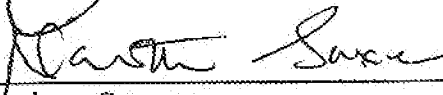
Date: \_\_\_\_\_

\_\_\_\_\_  
Mario Vela

Date: 10/19/12

  
\_\_\_\_\_  
Michael Inzary

Date: 10/19/12

  
\_\_\_\_\_  
Narothum Saxena