

## 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>Donald L. Mitchell, Jr.</td> <td>12/12/2012</td> </tr> <tr> <td>Roger S. Marshall</td> <td>12/13/2012</td> </tr> <tr> <td>Andrew Singer</td> <td>12/13/2012</td> </tr> <tr> <td>Firdaus Aryana</td> <td>12/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Donald L. Mitchell, Jr.	12/12/2012	Roger S. Marshall	12/13/2012	Andrew Singer	12/13/2012	Firdaus Aryana	12/13/2012
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Donald L. Mitchell, Jr.	12/12/2012										
Roger S. Marshall	12/13/2012										
Andrew Singer	12/13/2012										
Firdaus Aryana	12/13/2012										
RECEIVING PARTY DATA											
Name:	TeleCommunication Systems, Inc.										
Street Address:	275 West Street										
Internal Address:	Suite 400										
City:	Annapolis										
State/Country:	MARYLAND										
Postal Code:	21401										
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>13690621</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13690621						
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Application Number:	13690621										
CORRESPONDENCE DATA											
<p>Fax Number:  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202.261.1020        Email: bollman@mDSLAW.com        Correspondent Name: William H Bollman        Address Line 1: Manelli Selter PLLC        Address Line 2: 2000 M Street, N.W. 7th Floor        Address Line 4: Washington, DISTRICT OF COLUMBIA 20036-3307</p>											
ATTORNEY DOCKET NUMBER:	20-293										
NAME OF SUBMITTER:	William H. Bollman										

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**Total Attachments: 5**

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# MANELLI SELTER PLLC

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## ASSIGNMENT

Application No.: 13/690,621

Filed: November 30, 2012

WHEREAS, Donald L. MITCHELL, Jr.; Roger S. MARSHALL; Andrew SINGER; and Firdaus ARYANA

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

**WIRELESS EMERGENCY CALLER PROFILE DATA DELIVERY OVER A LEGACY INTERFACE**

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

on November 30, 2012; and

WHEREAS, TeleCommunication Systems, Inc.

of 275 West Street, Suite 400, Annapolis, MD 21401

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of **Manelli Selter PLLC** the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 12/12/12 Name of Inventor Donald L. Mitchell Jr  
(Signature) Donald L. MITCHELL, Jr.

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Roger S. MARSHALL

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Andrew SINGER

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Firdaus ARYANA

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)

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12/13/12  
Merry E. Hebert

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(Signature) Donald L. MITCHELL, Jr.

Date 12/13/2012

Name of Inventor \_\_\_\_\_

(Signature) Roger S. MARSHALL

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(Signature) Andrew SINGER

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(Signature) Firdaus ARYANA

Date \_\_\_\_\_

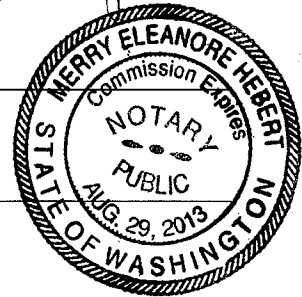
Name of Inventor \_\_\_\_\_

(Signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

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(Signature) Donald L. MITCHELL, Jr.

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Roger S. MARSHALL

Date 13 DECEMBER 2012 Name of Inventor   
(Signature) Andrew SINGER

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Firdaus ARYANA

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
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Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Roger S. MARSHALL

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature) Andrew SINGER

Date Dec. 19<sup>th</sup> 2012. Name of Inventor Firdaus B. Aryana .  
(Signature) Firdaus ARYANA

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)