

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>Donghong Gao</td> <td>02/14/2012</td> </tr> <tr> <td>Lewis Tuttle</td> <td>02/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Donghong Gao	02/14/2012	Lewis Tuttle	02/14/2012
Name	Execution Date						
Donghong Gao	02/14/2012						
Lewis Tuttle	02/14/2012						
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>14018795</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14018795		
Property Type	Number						
Application Number:	14018795						
CORRESPONDENCE DATA							
Fax Number:							
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	202.261.1020						
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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						
ATTORNEY DOCKET NUMBER:	40154						
NAME OF SUBMITTER:	William H. Bollman						
Signature:	/William H. Bollman/						

Date:

09/05/2013

Total Attachments: 3

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ASSIGNMENT AND AGREEMENT

For value received, we, **Donghong Gao**, of **6466 Galway Drive** in **Clarksville** in the **County of Howard** and **State of Maryland**; and **Lewis Tuttle**, of **327 Columbia Lane** in **Stevensville** in the **County of Queen Anne** and **State of Maryland** hereby sell, assign and transfer to **TeleCommunication Systems, Inc.**, a corporation of the **State of Maryland**, having an office at **275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A.**, and its successors, assigns and legal representatives, the entire right, title and interest, for the **United States of America**, in and to certain inventions related to **PREPAID SHORT MESSAGE SERVICES REVENUE CAPTURE**, described in an application for Letters Patent of the **United States**, filed herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the **United States** for said inventions; and we also concurrently hereby sell, assign and transfer to **TeleCommunication Systems, Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the **United States**, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the **United States** for said inventions.

We authorize **TeleCommunication Systems, Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the **United States**, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **TeleCommunication Systems, Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said invention be issued to **TeleCommunication Systems, Inc.** in the **United States** and in all countries foreign to the **United States**, or to such nominees as **TeleCommunication Systems, Inc.** may designate.

We agree that, when requested, we shall, without charge to **TeleCommunication Systems, Inc.** ~~but at its expense, sign all papers, and do all acts which may be necessary,~~ desirable or convenient in connection with said applications, patents, or other forms of protection.


Donghong GAO

Date: 2/14/2012

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 2012, before me personally came **Donghong GAO**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public



Lewis Tuttle

Date: 2/14/2012

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 2012, before me personally came **Lewis Tuttle**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

TeleCommunication Systems, Inc.
275 West Street, Suite 400
Annapolis, MD 21401