

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2754415

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YINJUN ZHU	02/22/2012
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	
Property Type	Number
Application Number:	14198027
CORRESPONDENCE DATA	
Fax Number:	
Phone:	410-295-1426
Email:	doneill@telecomsys.com
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
Correspondent Name:	TELECOMMUNICATION SYSTEMS, INC.
Address Line 1:	275 WEST STREET
Address Line 4:	ANNAPOLIS, MARYLAND 21401
ATTORNEY DOCKET NUMBER:	40183
NAME OF SUBMITTER:	WILLIAM H. BOLLMAN
Signature:	/William H. Bollman/
Date:	03/05/2014

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 2**

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## ASSIGNMENT AND AGREEMENT

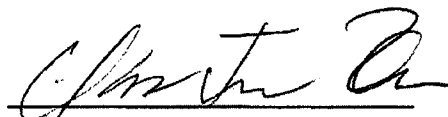
For value received, I, **Yinjun ZHU**, of **1430 232<sup>nd</sup> Avenue, Sammamish**, in the County of **King** and State of **Washington**, hereby sell, assign and transfer to **TeleCommunication Systems, Inc.**, a corporation of the State of **Maryland**, having an office at **275 West Street, Suite 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 **MOBILE INTERNET PROTOCOL (IP) LOCATION**, described in an application for Letters Patent of the United States, executed by me on even date 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 I 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.

I 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I 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.

I 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.

I agree that, when requested, I 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.

  
Yinjun ZHU

Date: 02/22/2012

United States of America                    )  
State of WA                                    ) ss.:  
County of King                                )

On this 22<sup>nd</sup> day of February, 2012, before me personally came **Yinjun ZHU**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

