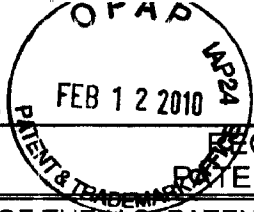


BOX ASSIGNMENTS



2-12-10

02-22-2010

DO NOT USE FOR TRADEMARKS

TO THE DIRECTOR OF THE U.S. PATENT AND TRADEMARKS OFFICE: PLEASE RECORD THE ATTACHED COPY



103589389

Y  
:REOF.

1. NAME OF CONVEYING PARTY(IES) (AS APPLICANT):
1. Donald L. MITCHELL, Jr.;
  2. Yinjun ZHU;
  3. Myron D'SOUZA
  4. Roger S. MARSHALL

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: TeleCommunication Systems, Inc.  
ADDRESS: 275 West Street, Suite 400, Annapolis, Maryland 21401

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation – multiple copies of same Assignment signed by different inventors is one document.)

- ASSIGNMENT OF:  WHOLE  PART INTEREST **EXEC. DATE: April 6, 2009**
- CHANGE OF NAME  VERIFIED TRANSLATION
- SECURITY  MERGER  OTHER:

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH:

(NOTE: IF DATES ↑↓ DIFFER, SEE ATTORNEY!!)

4.5 APPL. OR PATENT NUMBER(S) – OTHERS ON ADD'L SHEET(S) ATTACHED?  YES  NO

A. PAT. APP. NO.(S) series code/serial no.	MATTER #	1ST INVENTOR if not in item 1	B. PATENT NO(S)	MATTER #	1ST INVENTOR if not in item 1
12/232,417	20-650	MITCHELL, Jr.			

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

MANELLI DENISON & SELTER PLLC  
2000 M Street, NW, 7<sup>th</sup> Floor  
Washington, DC 20036

6. NUMBER INVOLVED:  
APPLNS 1 + PATS = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581) .....  
ABOVE TOTAL X \$40 = \$40

5.5 ATTORNEY DOCKET:

8. IF ABOVE FEE IS MISSING OR INADEQUATE, CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687

20-650	20-650	UNDER ORDER NO: 20-650	20-650
MATTER NO.	CLIENT REFERENCE	duplicate sheet not required	CLIENT/MATTER

9. STATEMENT AND SIGNATURE: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Attorney: William H. Bollman

Reg. No. 36,457  
WHB

10. Total number of pages including this cover sheet, attachments and document (do not file duplicate cover sheet) **6**

TEL. (202) 261-1020

02/19/2010 MJAMA1 00000034 12232417  
DATE: February 12, 2010 40.00 DP  
FAX. (202) 887-0336

FILE WITH PTO RETURN RECEIPT

20-650

## ASSIGNMENT AND AGREEMENT

For value received, we, **Donald L. MITCHELL, Jr.**, of 16220 SE 9<sup>th</sup> Street in Bellevue in the County of King and State of Washington; **Yinjun ZHU** of 1430 232<sup>nd</sup> Ave SE in Sammamish in the County of King and State of Washington; **Myron D'SOUZA** of 2801 1<sup>st</sup> Ave, #217 in Seattle in the County of King and the State of Washington; & **Roger S. MARSHALL**, of 37521 200<sup>th</sup> Ave SE in Auburn 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 **EMERGENCY 911 DATA MESSAGING**, 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.

20-650

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.

*Donald L. Mitchell*  
Donald L. MITCHELL

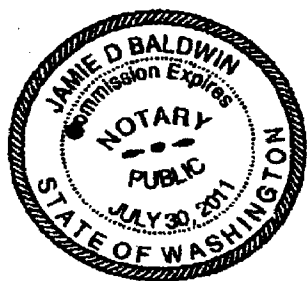
Date: 12/2/08

United States of America )

State of Washington ) ss.:

County of King )

On this 2nd day of December, 2008, before me personally came **Donald L. MITCHELL**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



*Jamie D Baldwin*  
Notary Public

20-650

*Yinjun ZHU*  
Yinjun ZHU

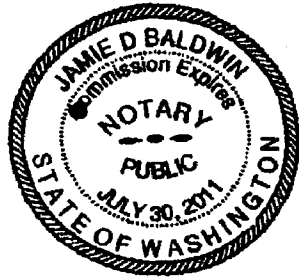
Date: 12/02/2008

United States of America )

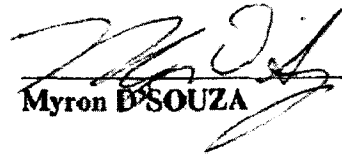
State of Washington ) ss.:

County of King )

On this 2nd day of December, 2008, 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.



*Jamie D Baldwin*  
Notary Public

  
Myron D'SOUZA

Date: 4/6/09

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came **Myron D'SOUZA**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

20-650

*[Handwritten Signature]*

**Roger S. MARSHALL**

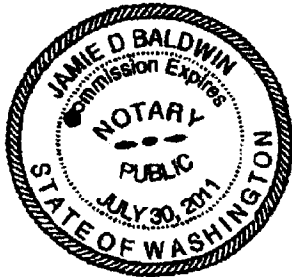
Date: 12/02/2008

United States of America )

State of Washington ) ss.:

County of King )

On this 2nd day of December, 2008, before me personally came **Roger S. MARSHALL**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



*[Handwritten Signature]*  
Notary Public

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