

U.S. PTO  
12/230864  
09/05/2008

09-17-2008

BOX ASSIGNMENTS

ADEMARKS

RECORDATION FORM CC  
PATENT APPLICATIONS & P



103524961

TO THE DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

Yinjun ZHU

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: March 29, 2004

☐ CHANGE OF NAME

☐ VERIFIED TRANSLATION

☐ SECURITY

☐ MERGER

☐ OTHER:

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HERewith: March 29, 2004

(NOTE: IF DATES  $\uparrow\downarrow$  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
Unknown	20-909	ZHU			

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

MANELLI DENISON & SELTER PLLC

2000 M Street, NW Suite 700  
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

20-909	20-909	UNDER ORDER NO: 20-909	20-909
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/jtm

TEL. (202) 261-1020

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

3

DATE: September 5, 2008

FAX (202) 887-0336

FILE WITH PTO RETURN RECEIPT

09/04/2008 MAILING 00000056 12230864

04 FC:0021

48.00 0P

PATENT  
REEL: 021545 FRAME: 0809

## ASSIGNMENT AND AGREEMENT

For value received, I, **Yinjun ZHU**, of **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 **USER PLANE LOCATION BASED SERVICE USING MESSAGE TUNNELING TO SUPPORT ROAMING**, 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: 3.29.04

United States of America )

State of Washington ) ss.:

County of King )

On this 29<sup>th</sup> day of March, 2004, 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.

  
Notary Public

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