

BOX ASSIGNMENTS

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PAT

09-22-2009

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ONLY

TO THE DIRECTOR OF THE U.S. PATE
SIR: PLEASE RECORD THE ATTACHE



THEREOF.

1. NAME OF CONVEYING PARTY(IES)

103574692

1. 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: September 11, 2009

CHANGE OF NAME

VERIFIED TRANSLATION

SECURITY

MERGER

OTHER:

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH: September 11, 2009

(NOTE: IF DATES \updownarrow 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	20-950	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

20-950	20-950	UNDER ORDER NO: 20-950	20-950
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

10. Total number of pages including this
cover sheet, attachments and document 3
(do not file duplicate cover sheet)

TEL. (202) 261-1020

DATE: September 11, 2009
FAX. (202) 887-0336

FILE WITH PTO RETURN RECEIPT

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PATENT
REEL: 023265 FRAME: 0119

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ASSIGNMENT AND AGREEMENT

For value received, I, **Yinjun ZHU**, of 1430 232nd Avenue SE, **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 **MULTIPLE LOCATION RETRIEVAL FUNCTION (LRF) NETWORK HAVING LOCATION CONTINUITY**, 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.

20-950

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

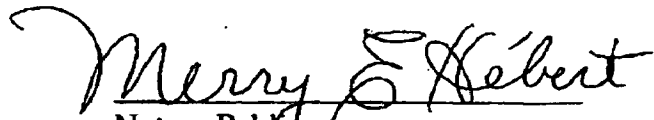
Date: 9/11/2009

United States of America)

State of WA) ss.:

County of King)

On this 11th day of September, 2009, 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

