

09-13-2006

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ET  
ONLYTO THE DIRECTOR OF THE U.S. PATENT AND 103306188  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

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

1. Chris KNOTTS

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: May 16, 2005

☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER ☐ OTHER:

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH: May 16, 2005

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

4.5 APPL. OR PATENT NUMBER(S) – OTHERS ON ADD'L SHEET(S) ATTACHED? ☐ YES☒ NOA. 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

20-601

KNOTTS

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

MANELLI DENISON &amp; 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

20-601

20-601

UNDER ORDER NO: 20-601

20-601

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

DATE: September 6, 2006

FAX. (202) 887-0336

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

5

FILE WITH PTO RETURN RECEIPT

09/08/2006 HDEMESS1 00000050 11516593

06 FC:8021

(40.00 OP)

PATENT  
REEL: 018281 FRAME: 0677

## ASSIGNMENT AND AGREEMENT

For value received, I, **Chris KNOTTS**, of **801 Chestnut Tree Drive, Annapolis**, in the County of **Anne Arundel** 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 **INTER-CARRIER MESSAGING SERVICE PROVIDING PHONE NUMBER ONLY EXPERIENCE**, 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.

  
Chris KNOTTS

Date: 5/16/05

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came [Chris KNOTTS], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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