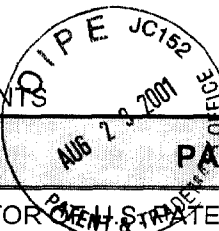


BOX ASSIGNMENTS

08-29-2001

DO NOT USE FOR TRADEMARKS


**FEET
TS ONLY**

101827614

TO THE DIRECTOR

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

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

- 1) Richard A. SMITH
2) Michael DEWEY

8-29-01

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 1, 2001☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER ☐ OTHER:

4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ↑↓ DIFFER SEE ATTY!): May 1, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1ST INVENTOR if not in item 1	B. PATENT NO(S)	M#	1ST INVENTOR if not in item 1
09/832,010	20-464	SMITH			

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

MANELLI DENISON & SELTER P.L.L.C.
2000 M Street, N.W. Suite 700
Washington, DC 20036

6. NUMBER INVOLVED:
APPLNS 1 + PATS: = TOTAL 17. AMOUNT OF FEE ENCLOSED: (Code 581).....
ABOVE TOTAL X \$40 = \$ 40

5.5 ATTY DKT:

20-464

SMITH

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687
UNDER ORDER NO: 20-464

MATTER NO.

CLIENT REF.

dup. 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.

Signature:

Attorney: William H. Bollman

Reg. No. 36,457

Atty/Sec:

10. Total number of pages including this
cover sheet, attachments and document 4
(do not file dup. Cover sheet)

08/28/2001 AAHMED1 00000143 500687 09832010

Date: August 23, 2001

01 FC:581

40.00 CH

TEL: (202) 261-1020

Fax (202) 887-0336

FILE WITH PTO RETURN RECEIPT

PATENT
REEL: 012106 FRAME: 0472

ASSIGNMENT AND AGREEMENT

For value received, we, **Richard A. SMITH**, of **12 North Southwoods Avenue, Annapolis**, in the County of **Anne Arundel** and State of **Maryland**, and **Michael DEWEY**, of **271 Yale Court, Arnold**, 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 **SHORT MESSAGE DISTRIBUTION CENTER**, described in an application for Letters Patent of the United States, executed by us 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 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.

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.


Richard A. SMITH

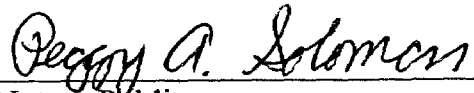
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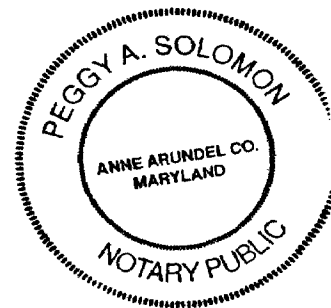
United States of America)

State of MARYLAND) ss.:

County of ANNE ARUNDEL)

On this 1st day of MAY, 2001, before me personally came [Richard A. SMITH], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


 Notary Public
my commission expires
4-1-03




 Michael DEWEY

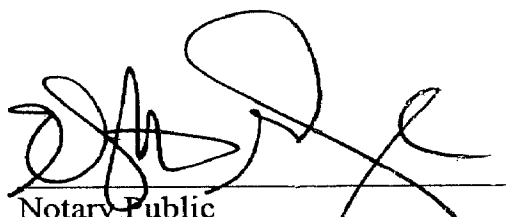
Date: 26 Apr. 1 2001

United States of America)

State of Maryland) ss.:

County of Prince George's)

On this 26th day of Apr. 1, 2001, before me personally came [Michael DEWEY], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


 Notary Public
 ELIZABETH E. LA GRANGE
 NOTARY PUBLIC STATE OF MARYLAND
 My Commission Expires September 25, 2001