

03/23/00

RECORD PATENT

04-03-2000

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REOF.

TO THE HONORABLE COMMISSIONER OF PATENT AND TRADEMARK OFFICE
SIR: PLEASE RECORD THE ATTACHED COPY

jc678 U.S. PTO
09/533805
03/23/00

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

- 1. Elizabeth COUNTRYMAN
- 2. Timothy J. LORELLO
- 3. Mark TITUS
- 4. Dara UNG

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, U.S.A.

09/533805

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 21 2000

CHANGE OF NAME VERIFIED TRANSLATION

SECURITY MERGER OTHER:

4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (**NOTE:** IF DATES ↑↓ DIFFER SEE ATTY!): March 21 2000

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 |
|--|--------|----------------------------------|-----------------|----|----------------------------------|
| | 62-182 | COUNTRYMAN | | | |

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

FARKAS & MANELLI, P.L.L.C.
2000 M Street, N.W. 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 ATTY DKT:

62-182

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687
UNDER ORDER NO: **62-182**

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT/MATTER

03/23/00 09/533805
01 40.00 CH
I, the undersigned, being a duly qualified and authorized agent of the undersigned inventor, do hereby certify that the foregoing is a true and correct copy of the original document.

Signature:

William H. Boll

Attorney: William H. Bollman

Reg. No. 36,457

Atty/Sec:

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

6

Date: March 23, 2000

Fax: (202)887-0336

TEL: (202)261-1020

FILE WITH PTO RETURN RECEIPT

PATENT
REEL: 010642 FRAME: 0497

ASSIGNMENT AND AGREEMENT

For value received, we, **Elizabeth Countryman**, of Annapolis, Maryland, in the County of Anne Arundel and State of Maryland, **Timothy J. Lorello**, of **Gambrille**, in the County of Anne Arundel and State of Maryland, **Mark Titus**, of Arnold, Maryland, in the County of Anne Arundel and State of Maryland, and **Dara Ung**, of Odenton, Maryland, 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 **PREPAID CALL MANAGEMENT IN INTELLIGENT NETWORK** 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 inventions 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.

62-182

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.

Elizabeth Countryman
Elizabeth Countryman

Date: 3/21/00

United States of America)

State of Maryland) ss.:

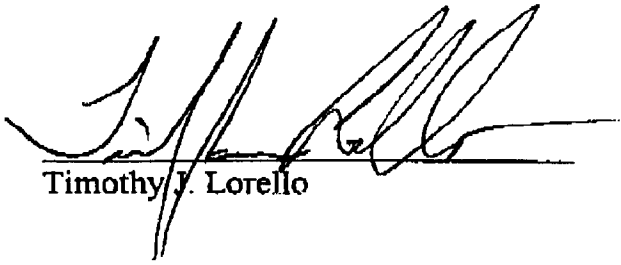
County of Anne Arundel)

On this 21st day of March, 2000, before me personally came Elizabeth Countryman, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Bruce A. White
Notary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires June 2, 2003





Timothy J. Lorello

Date: 3/21/00

United States of America)

State of Maryland) ss.:

County of Anne Arundel)

On this 21st day of March, 2000, before me personally came Timothy J. Lorello, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Bruce A. White
Notary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires June 21, 2003



Mark A. Titus
Mark Titus

Date: 3/21/00

United States of America)

State of Maryland) ss.:

County of Anne Arundel)

On this 21st day of March, 2000, before me personally came Mark Titus, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Bruce A. White
Notary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires June 15, 2003



Dara Ung
Dara Ung

Date: 3/21/00

United States of America)

State of Maryland) ss.:

County of Anne Arundel)

On this 21st day of March, 2000, before me personally came Dara Ung, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Bruce A. White
Notary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires July 2, 2002

