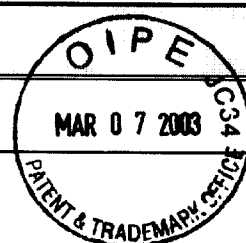


03-14-2003

RE

3-7-03

PATI

T
NLYTO THE DIRECTOR OF THE U.S. PATENT
SIR: PLEASE RECORD THE ATTACHED

102390173

THEREOF.

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

(1) Gordon HINES

(2) Will COUSINS

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: February 26, 2003

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

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH: February 26, 2003

(NOTE: IF DATES ↑↓ 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
10/318,171	20-501	Hines			

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

20-501	Hines	UNDER ORDER NO:	20-501
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/nmc

TEL. (202) 261-1020

DATE: March 7, 2003

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

03/11/2003 RHARIS1 00000059 10318171

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40.00 00

ASSIGNMENT AND AGREEMENT

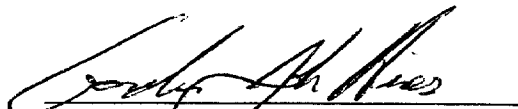
For value received, we, **Gordon John HINES**, of **Kirkland**, in **King County** and **State of Washington**, and **Mario G. TAPIA**, of **Seattle**, in **King County** and **State of Washington** and **Will COUSINS**, of **Seattle**, in **King County** and **State of Washington** hereby sell, assign 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 **AREA WATCHER FOR WIRELESS 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 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.


Gordon John HINES

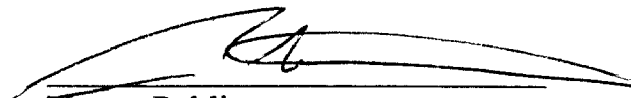
Date: Jan 8th, 2003

United States of America)

State of Washington) ss.:

County of King)

On this 8th day of January, 2003, before me personally came **Gordon John HINES**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

Mario G. TAPIA

Date: _____

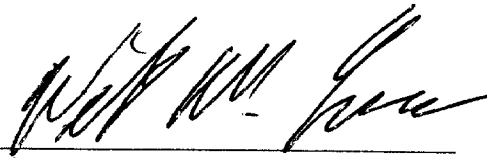
United States of America)

State of) ss.:

County of)

On this _____ day of _____, 2002, before me personally came **Mario G. TAPIA**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

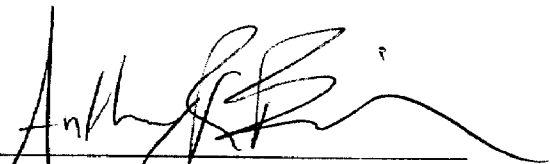
 Notary Public


 Will COUSINS

Date: 2/26/03

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

On this 26th day of February, 200~~2~~³, before me personally came **Will COUSINS**, 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