

U.S. PTO  
12/656861  
02/18/2010

BOX ASSIGNMENTS

03-04-2010

DEMARKS

2-18-10

RECORDATION FORM CO  
PATENT APPLICATIONS & P/



103590572

TO THE DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFF  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS

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

1. Ken CLUBB;
2. Lyle SUTTON

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: April 5, 2001

☐

CHANGE OF NAME

☐

VERIFIED TRANSLATION

☐

SECURITY

☐

MERGER

☐

OTHER: 12656861

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH: April 5, 2001

(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

unknown

20-390

CLUBB

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

MANELLI DENISON & SELTER PLLC  
2000 M Street, NW, 7<sup>th</sup> Floor  
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

20-390

20-390

UNDER ORDER NO: 20-390

20-390

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

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

11

TEL. (202) 261-1020

DATE: February 18, 2010

FAX. (202) 887-0336

FILE WITH PTO RETURN RECEIPT

02/19/2010 AWONDAF1 00000012 12656861

05 FC:8021

40.00 OP

PATENT  
REEL: 024026 FRAME: 0144

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS We, the below named inventor(s), hereinafter referred to as Assignor(s), have made an invention entitled:

**A SYSTEM AND METHOD TO PUBLISH INFORMATION FROM SERVERS TO REMOTE MONITOR DEVICES**

For which We executed an application for United States Letters Patent concurrently herewith

WHEREAS, Aether Systems, Inc.

a corporation of Delaware

whose post office address is 11460 Cronridge Drive, Owings Mills, MD 21117

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration, the receipt of which from assignee is hereby acknowledged, We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. \_\_\_\_\_ filed \_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

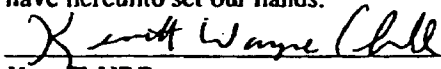
AND, WE HEREBY authorize and request the attorneys We have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

Signature of first assignor:

Name of first assignor:

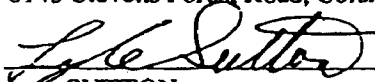
Address

 Date 4-5-2001  
Ken CLUBB  
6145 Stevens Forest Road, Columbia, Maryland 21045

Signature of second assignor:

Name of second assignor:

Address

 Date 4-4-2001  
Lyle SUTTON  
2828 Barrick Road, Finksburg, MD 21048

*Wilmer Cutler & Pickering*

**PATENT**

**REEL: 024026 FRAME: 0145**

## PATENT ASSIGNMENT

This Patent Assignment is delivered pursuant to the Closing under that certain Purchase Agreement, as amended, (the "Agreement") dated as of December 18, 2003, between Aether Systems, Inc., as the "Seller", and TSYS Acquisition Corp., as the "Purchaser". Capitalized terms used in this Patent Assignment have the same meanings given to them in the Agreement.

The Seller has delivered this instrument signed by the Seller to enable the Purchaser to file it with any appropriate governmental agency to indicate ownership of the Patents described below and for the other purposes set forth in this instrument. This instrument supplements and is in addition to all other rights of the Purchaser under the Agreement and other instruments of transfer delivered in connection with the Agreement.

For good and valuable consideration, receipt of which the Seller acknowledges, and by signing and delivering this instrument, the Seller sells, assigns, transfers, conveys, and delivers to the Purchaser all of the Seller's right, title, and interest in and to:

(a) the patents and patent applications specifically listed in Annex A to this Patent Assignment; and

(b) the following properties and rights with respect to all patents and patent applications so listed in Annex A:

(1) the inventions claimed or described in the patents or applications,

(2) any patents in the United States and anywhere else in the world and patent applications that have been or may be granted or filed, respectively, with respect to those inventions, including without limitation all foreign patents that may claim priority based on and correspond to the patents listed in Annex A,

(3) all divisions, renewals, reissues, continuations, extensions, and continuations-in-part of the foregoing patents,

(4) all income, royalties, damages, and payments due or payable to the Seller with respect to the patents, including without limitation unpaid damages and payments for past, present, and future infringements of any patent, and

(5) all rights to sue and recover damages and payments for past, present, and future infringements of any of the patents, including the right to fully and entirely replace the Seller in all related matters.

The foregoing rights in and under the patents shall apply to the full end of their terms as fully as the Seller would have held the same in the absence of this assignment. As of the date set forth below, the Purchaser has succeeded to all right, title, and standing of the Seller to (a) receive all rights and benefits pertaining to the patents described above, and (b) commence, prosecute, defend and settle all claims and take all actions that the Purchaser, in its sole discretion, may elect in relation to the patents and rights described above. This Patent Assignment (a) is irrevocable and effective upon the Seller's signature to and delivery of a manually signed copy of this instrument or facsimile or email transmission of the signature to this instrument in connection with the Closing, if and only if the Closing is completed, (b) benefits and binds the parties to the Agreement and their respective successors and assignees, (c) does not modify or affect,

and is subject to, the provisions of the Agreement, and (d) may be signed in counterparts as provided in Section 12.12 of the Agreement.

The undersigned has signed this Patent Assignment on January 13, 2004.

Aether Systems, Inc.:

By: [Signature]  
Name: David S. Oros  
Title: Chief Executive Officer

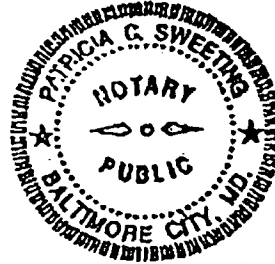
STATE OF MARYLAND  
COUNTY OF Baltimore  
City

On \_\_\_\_\_ before me, Patricia C. Sweeting (the undersigned notary), personally appeared David S. Oros personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]  
Notary Public

[seal]



TITLE	FILING DATE	SERIAL #	ISSUE DATE	PATENT #	OWNER/DIVISION
Method and System for Providing Formatted Information via a 2-Way Communication System			10/1/01	US6,504,748B1	Aether Systems, Inc./BMS
Method and System for Conducting Real-Time Electronic Commerce			07/1/03	US6,587,838	Aether Systems, Inc./BMS
Transmitting Updated Information			01/04/2000	6,011,954	Sila Technology Limited/BMS
IPX/Data transmission (Dedicated patent - "Prerequisite made re examination of data from sender till all other flows modulated")			1/13/1997	PR171371	Sila Technology Limited/BMS
IPX/Data transmission (Registered EP - designated country: Germany) A Method of Transmitting Data from a Transmitter to One or More Receivers			3/2/2000	EP 0731964	Sila Technology Limited/BMS
IPX/Data transmission (Registered EP - designated country: France) A Method of Transmitting Data from a Transmitter to One or More Receivers			3/2/2000	EP 0731964	Sila Technology Limited/BMS
IPX/Data transmission (Registered EP - designated country: United Kingdom) A Method of Transmitting Data from a Transmitter to One or More Receivers			3/2/2000	EP 0731964	Sila Technology Limited/BMS
Method for Providing Vendor Notification Marketing in Electronic Communication Network	01/23/99	09/236,510			Aether Systems, Inc./BMS
Apparatus for Providing Vendor Notification	01/23/99	09/237,389			Aether Systems, Inc./BMS
Method and Apparatus for Storing Real-Time Test Messages	1/10/2001	09/941,582			Aether Systems, Inc./BMS
System for Automated, Mid-Session, User-Directed, Device-to-Device Session Transfer System	9/17/2001	09/933,408			Aether Systems, Inc./BMS

EP = European Patent

TITLE	FILING DATE	SERIAL#	ISSUE DATE	PATENT#	OWNER/DIVISION
Multitasked Table Implementable on a Personal Digital Assistant System, Method and Computer Program Product for Providing Server Discovery Services during a Startup Sequence	10/16/2000	09/688,160			Arthur Systems, Inc./BMS
System and Method for Re-Directing Requests from Browsers for Communication over Non-IP Based Networks	11/8/2000	09/707,960			Arthur Systems, Inc./BMS
System and Method for Developing Applications in Wireless and Wireless Environments	10/30/2000	09/698,181			Arthur Systems, Inc./BMS
Site Mining StyleSheet Generator	11/3/2000	09/704,335			Arthur Systems, Inc./BMS
Run-Time Engine Implemented on a Computing Device Allowing Synchronization of Records during Application Execution	12/15/2000	09/736,167			Arthur Systems, Inc./BMS
Messaging Method and Apparatus for Sending and Receiving Messages in a Client Server Environment over Multiple Wireless and Wireless Networks	10/16/2000	60/240,087			Arthur Systems, Inc./BMS
System and Method to Publish Information from Servers to Remote Monitor Devices	10/24/2000	09/694,297			Arthur Systems, Inc./BMS
A System and Method for Servers to Send Alerts to Connectionless Devices	1/24/2001	09/767,951			Arthur Systems, Inc./BMS
A System, Method and Computer Program Product for Maintaining Program State over Wireless Networks that Dynamically Workload Balance Messages Across Multiple Servers	11/28/2000	09/733,285			Arthur Systems, Inc./BMS
A Method and System for Deploying Content to Wireless Devices	1/23/2001	09/767,266			Arthur Systems, Inc./BMS
Messaging Method and Apparatus for Routing Messages in a Client Server Environment over Multiple Wireless and Wireless Networks	11/13/2000	09/709,487			Arthur Systems, Inc./BMS
Messaging Method and Apparatus Including a Protocol Stack that Corresponds Substantially to an Open System Interconnect (OSI) Model and Incorporates a Simple Network Transport Layer	12/20/2000	09/739,844			Arthur Systems, Inc./BMS
Web Page Content Translator	12/20/2000	09/740,040			Arthur Systems, Inc./BMS
System, Method and Apparatus for Automatically and Dynamically Updating Options, Features, and/or Services Available to a Client Device	11/8/2000	09/707,770			Arthur Systems, Inc./BMS
Service Chaining: a Mechanism for Optimizing the Invocation of Computer Based Services Deployed in a Distributed Computing Environment	3/10/2000	09/533,168			Arthur Systems, Inc./BMS
System for Efficiently Handling Cryptographic Messages Containing Noise Values in a Wireless, Connectionless Environment without Compromising Security	12/27/2001	10/036,887			Arthur Systems, Inc./BMS
	8/21/2001	09/932,982			Arthur Systems, Inc./BMS

TITLE			SERIAL #	ISSUE DATE	PATENT #	OWNERS/DIVISION
System and Method for Automated, Software-Based Session Coordination of Data into a Single Session Context	10/17/2002	10/265,740				Aether Systems, Inc./EMS
Run-Time Engine Implemented on a Computing Device Allowing Synchronization of Records during Application Execution	10/16/2001	09/977,686				Aether Systems, Inc./EMS
System for a Configurable Open Database Connectivity Conduit	11/6/2001	09/983,879				Aether Systems, Inc./EMS
System for an Open Architecture Development Platform with Centralized Synchronization	11/6/2001	09/983,878				Aether Systems, Inc./EMS
System for a Run-Time Engine Capable for Pager Capable Remote Device	11/6/2001	09/983,880				Aether Systems, Inc./EMS
Routing Protocol Selection for an Ad Hoc Network	12/28/2001	10/028,267				Aether Systems, Inc./EMS
System, Method and Apparatus for Utilizing Transaction Databases in a Client-Server Environment	10/11/2002	10/268,663				Aether Systems, Inc./EMS
Run-time Engine Implemented on a Computing Device Allowing Synchronization of Records during Application Execution	10/16/2001	PCT/US01/3219				Aether Systems, Inc./EMS
System for Optimizing the Invocation of Computer-Based Services Deployed in a Distributed Computer Environment	12/27/2002	PCT/US02/4149				Aether Systems, Inc./EMS
Routing Protocol Selection for an Ad Hoc Network	12/27/2002	PCT/US02/4149				Aether Systems, Inc./EMS
IPX/Outtransmission (IP Application; divisional application based on EP 0731966)	12/2/1994				99202686.4	Sila Technology Limited/EMS
Sila (EP Application; EP regional phase of PCT/DK00/00363; 'Method of Transmitting Data Items to a Number of Mobile Stations, a Mobile Station and a Storage Module')	7/4/2000				00941946.6	Sila Technology Limited/EMS
Sila (EP Application; EP regional phase of PCT/DK00/00364; 'Method of Transmitting Data Items to a Number of Mobile Stations, a Mobile Station and a Storage Module')	7/4/2000				00941947.4	Sila Technology Limited/EMS
IPX-Danish Patent Application (divisional application based on Danish Patent No. PR.171571)	7/20/1995				PA.199500830	Sila Technology Limited/EMS
Sila - Norwegian Patent Application (national phase of PCT/DK00/00363)	7/4/2000				20016416	Sila Technology Limited/EMS
Sila - Norwegian Patent Application (national phase of PCT/DK00/00364)	7/4/2000				20016421	Sila Technology Limited/EMS

In December 2003 foreign patent counsel submitted paperwork to the relevant patent registries to record the change in name from Sila Technology Limited to Aether Technology Limited, for those patent applications listed in this section as being owned by Sila Technology Limited.



PIPER RUDNICK, LLP  
6225 SMITH AVE  
BALTIMORE MD 21209-3626

Date: 09-15-2005

This letter is to confirm acceptance of the following filing:

ENTITY NAME : TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND  
DEPARTMENT ID : D07695802  
TYPE OF REQUEST : ARTICLES OF AMENDMENT / NAME CHANGE  
DATE FILED : 09-15-2005  
TIME FILED : 01:56-PM  
RECORDING FEE : \$100.00  
EXPEDITED FEE : \$90.00  
COPY FEE : \$22.00  
FILING NUMBER : 1000361991891155  
CUSTOMER ID : 0001669552  
WORK ORDER NUMBER : 0001112590

PLEASE VERIFY THE INFORMATION CONTAINED IN THIS LETTER. NOTIFY THIS DEPARTMENT  
IN WRITING IF ANY INFORMATION IS INCORRECT. INCLUDE THE CUSTOMER ID AND THE WORK  
ORDER NUMBER ON ANY INQUIRIES.

Charter Division  
Baltimore metro area (410)767-1350  
Outside metro area (888)246-5941

301 West Preston Street-Room 801-Baltimore, Maryland 21201-2395  
Toll free in Maryland (888)246-5941  
MRS (Maryland Relay Service) (800)735-2258 TT/Voice- Fax (410)333-7097  
Website: [www.dal.state.md.us](http://www.dal.state.md.us)

0003604357

chart

ENTITY TYPE: ORDINARY BUSINESS - STOCK  
STOCK: Y  
CLOSE: N  
EFFECTIVE DATE: 09-15-2005  
PRINCIPAL OFFICE: SUITE 400  
275 WEST STREET  
ANNAPOLIS MD 21401  
RESIDENT AGENT: BRUCE WHITE  
SUITE 400  
275 WEST STREET  
ANNAPOLIS MD 21401  
COMMENTS:  
THIS AMENDMENT RECORD INDICATES THE NAME CHANGE  
FROM: TSYS ACQUISITION CORP.  
TO: TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND.

**NOTICE: Effective January 1, 2004**

As a result of a change in State law, the annual report fee for most legal entities (including LLCs and LLPs) has increased to \$300. This fee is for the privilege of maintaining a legal entity's existence in Maryland, and is due and payable with the filing of the personal property return. The increase is effective for any return, regardless of year, filed after 12/31/2003.

There continues to be no annual report fee for non-stock corporations, churches, foreign interstate companies, sole proprietorships and general partnerships, but these entities must still file a personal property return annually.

TSYS ACQUISITION CORP.  
ARTICLES OF AMENDMENT  
TO  
ARTICLES OF INCORPORATION

Pursuant to the provisions of the Maryland Corporations Act, MD. CORPS. & ASS'NS CODE ANN., §2-101 *et seq.* (the "Corporations Act"), the undersigned corporation (the "Corporation") submits the following Articles of Amendment:

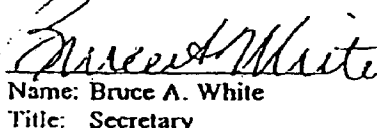
1. The name of the Corporation is: TSYS Acquisition Corp.
2. The Articles of Incorporation of the Corporation are hereby amended by deleting Article SECOND in its entirety and substituting in its place the following:

SECOND: The name of the corporation (which is hereinafter called the "Corporation") is:  
TeleCommunication Systems Corporation of Maryland.

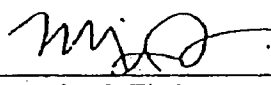
3. The foregoing amendment has been approved by the unanimous consent of the Board of Directors of the Corporation.

IN WITNESS WHEREOF, the Corporation has caused these presents to be signed in its name and on its behalf by its President and attested by its Secretary on this 15<sup>th</sup> day of September, 2005.

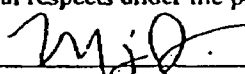
Attested:

  
Name: Bruce A. White  
Title: Secretary

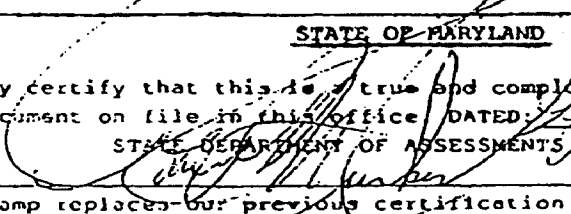
TSYS ACQUISITION CORP.

By:   
Name: Maurice B. Tosé  
Title: President

THE UNDERSIGNED, the President of TSYS Acquisition Corp. who executed on behalf of the Corporation the foregoing Articles of Amendment of which this certificate is made a part, hereby acknowledges in the name and on behalf of the Corporation the foregoing Articles of Amendment to be the corporate act of the Corporation and hereby certifies to the best of his knowledge, information and belief the matters and facts set forth therein with respect to the authorization and approval thereof are true in all material respects under the penalties of perjury.

  
Name: Maurice B. Tosé  
Title: President

-BALT2:4115966.v1 11/22/04  
313301.1

<b>STATE OF MARYLAND</b>	
I hereby certify that this is a true and complete copy of the <u>2</u> page document on file in this office DATED: <u>September 15, 2005</u> .	
STATE DEPARTMENT OF ASSESSMENTS AND TAXATION	
BY: 	Custodian
This stamp replaces our previous certification system. Effective: 6/95	

**\*\*EXPEDIT SERVICE\*\***

**\*\* KEEP WITH DOCUMENT \*\***

DOCUMENT CODE 09A BUSINESS E \_\_\_\_\_

# D07695802

Close \_\_\_\_\_ Stock \_\_\_\_\_ Nonstock \_\_\_\_\_

P.A. \_\_\_\_\_ Religious \_\_\_\_\_

Merging (Transferor) \_\_\_\_\_

Surviving (Transferee) \_\_\_\_\_

Affix Barcode Label Here

Affix Barcode Label Here

New Name Telecommunication  
Systems Corporation of  
Maryland

**FEES REMITTED**

Base Fee: 100

Org. & Cap. Fee: \_\_\_\_\_

Expedite Fee: 90

Penalty: \_\_\_\_\_

State Recordation Tax: \_\_\_\_\_

State Transfer Tax: \_\_\_\_\_

1 Certified Copies

1 Certificates

Copy Fee: 22

Certificate of Status Fee: 20

Personal Property Filings: \_\_\_\_\_

Mail Processing Fee: \_\_\_\_\_

Other: \_\_\_\_\_

TOTAL FEES: 232

☒ Change of Name  
☐ Change of Principal Office  
☐ Change of Resident Agent  
☐ Change of Resident Agent Address  
☐ Resignation of Resident Agent  
☐ Designation of Resident Agent  
and Resident Agent's Address  
☐ Change of Business Code

☐ Adoption of Assumed Name

☐ Other Change(s)

Credit Card \_\_\_\_\_ Check 1 Cash \_\_\_\_\_

1 Documents on 3 Checks

Approved By: A. O.

Keyed By: \_\_\_\_\_

COMMENT(S):

Code 418

Attention: Keysha McNeil

Mail: Name and Address

Stamp Work Order and Customer Number HERE