

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2659271

| SUBMISSION TYPE:   | CORRECTIVE ASSIGNMENT   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
|--|---|---------------|---|------------------------|-----------------|-------------------|-----------|-------|-----------|----------------|----------|--------------|-------|
| NATURE OF CONVEYANCE:  | Corrective Assignment to correct the CONVEYING PARTY IS INCORRECT previously recorded on Reel 017178 Frame 0498. Assignor(s) hereby confirms the CONVEYING PARTY SHOULD BE: TSYS ACQUISITION CORP.. |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| CONVEYING PARTY DATA   |   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>TSYS ACQUISITION CORP.</td> <td>09/15/2005</td> </tr> </tbody> </table>  |   | Name          | Execution Date                                    | TSYS ACQUISITION CORP. | 09/15/2005      |                   |           |       |           |                |          |              |       |
| Name   | Execution Date  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| TSYS ACQUISITION CORP.   | 09/15/2005  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| RECEIVING PARTY DATA   |   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| <table border="1"> <tr> <td>Name:</td> <td>TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND</td> </tr> <tr> <td>Street Address:</td> <td>275 WEST STREET</td> </tr> <tr> <td>Internal Address:</td> <td>SUITE 400</td> </tr> <tr> <td>City:</td> <td>ANNAPOLIS</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21401</td> </tr> </table> |   | Name:         | TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND | Street Address:        | 275 WEST STREET | Internal Address: | SUITE 400 | City: | ANNAPOLIS | State/Country: | MARYLAND | Postal Code: | 21401 |
| Name:  | TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Street Address:  | 275 WEST STREET   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Internal Address:  | SUITE 400   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| City:  | ANNAPOLIS   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| State/Country:   | MARYLAND  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Postal Code:   | 21401   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| PROPERTY NUMBERS Total: 1  |   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>7716374</td> </tr> </tbody> </table>  |   | Property Type | Number  | Patent Number:         | 7716374         |                   |           |       |           |                |          |              |       |
| Property Type  | Number  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Patent Number:   | 7716374   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| CORRESPONDENCE DATA  |   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Fax Number:  | (216)621-4072   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Phone:   | 2166212234  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Email:   | rkline@tarolli.com  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>   |   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Correspondent Name:  | CHRISTOPHER P. HARRIS   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Address Line 1:  | TAROLLI, SUNDHEIM, COVELL & TUMMINO LLP   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Address Line 2:  | 1300 EAST NINTH STREET, SUITE 1700  |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Address Line 4:  | CLEVELAND, OHIO 44114   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| ATTORNEY DOCKET NUMBER:  | 7716374   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| NAME OF SUBMITTER:   | CHRISTOPHER P. HARRIS   |               |   |                        |                 |                   |           |       |           |                |          |              |       |
| Signature:   | /Christopher P Harris/  |               |   |                        |                 |                   |           |       |           |                |          |              |       |

OP \$40.00 7716374

Date:

12/23/2013

**Total Attachments: 6**

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## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

TSYS ACQUISITION CORP.

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: TELECOMMUNICATION SYSTEMS CORPORATION

Internal Address: OF MARYLAND

Street Address: 275 WEST STREET, SUITE 400

City: ANNAPOLIS

State: MD

Country: US Zip: 21401

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 09/15/2005

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other 017178/0498

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

USSN: 09/977686  
FILED: 10/16/2001

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: CHRISTOPHER P. HARRIS

Internal Address: TAROLLI, SUNDHEIM, COVELL  
& TUMMINO LLP

Street Address: 1300 EAST NINTH STREET  
SUITE 1700

City: CLEVELAND

State: OH Zip: 44114

Phone Number: 216.621.2234 EXT. 104

Docket Number: 7716374

Email Address: charris@tarolli.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 200090

Authorized User Name Christopher P. Harris

**9. Signature:**

/Christopher P Harris/

23 December 2013

Signature

Date

Christopher P. Harris

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

BOX ASSIGNMENTS



11-04-2005

NOT USE FOR TRADEMARKS



103113654

TO THE DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

11-1-05

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

1. TYSYS Acquisition Corp.  
275 West Street, Suite 400  
Annapolis, MD 21401

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: TeleCommunication Systems Corporation of Maryland  
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
- CHANGE OF NAME  VERIFIED TRANSLATION
- SECURITY  MERGER  OTHER:

EXEC. DATE: September 15, 2005

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH:  
(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)<br>series code/serial no. | MATTER # | 1ST INVENTOR if<br>not in Item 1 | B. PATENT NO(S) | MATTER # | 1ST INVENTOR<br>if not in Item 1 |
|---|----------|----------------------------------|-----------------|----------|----------------------------------|
| 09/977,686                                    | 20-557   | NARDONE                          |                 |          |                                  |

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

|            |                  |                              |               |
|------------|------------------|------------------------------|---------------|
| 20-557     | 20-557           | UNDER ORDER NO: 20-557       | NARDONE       |
| 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

10. Total number of pages including this cover sheet, attachments and document (do not file duplicate cover sheet) 5

DATE: November 1, 2005  
FAX: (202) 887-0336

TEL. (202) 261-1020

11/03/2005 ECDOPER 00000150 09977686

FILE WITH PTO RETURN RECEIPT

01 FC:8021

40.00 DP

**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:

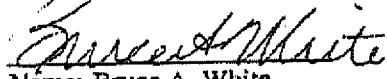
**SECOND:** The name of the corporation (which is hereinafter called the "Corporation") is:  
TeleCommunication Systems Corporation of Maryland.

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.

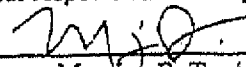
Attested:

TSYS ACQUISITION CORP.

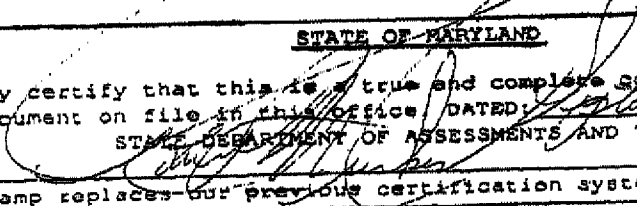
  
Name: Bruce A. White  
Title: Secretary

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

-BALTR4113966.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   |

# CORPORATE CHARTER APPROVAL SHEET

**\*\*EXPEDITED SERVICE\*\***

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

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

# 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

Copy Fee: 22

1 Certificates

Certificate of Status Fee: 20

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

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

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

TOTAL FEES: 232

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

1 Documents on 3 Checks

Approved By: A.O.

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

COMMENT(S):

- 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)

Code 418

Attention: Keisha McNeil

Mail: Name and Address

Stamp Work Order and Customer Number HERE

Department of  
Assessments and Taxation

Charter Division



Governor

C. John Sullivan, Jr.  
Director

Paul B. Anderson  
Administrator

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 TTY/Voice- Fax (410)333-7097  
Website: www.dat.state.md.us

0003604357

cbuac

PATENT  
REEL: 031868 FRAME: 0674

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.