

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2659445

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT				
EFFECTIVE DATE:	10/05/2006				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND</td> <td>12/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND	12/19/2013
Name	Execution Date				
TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND	12/19/2013				
RECEIVING PARTY DATA					
Name:	TELECOMMUNICATION SYSTEMS, INC.				
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>8364821</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	8364821
Property Type	Number				
Patent Number:	8364821				
CORRESPONDENCE DATA					
Fax Number:	(216)621-4072				
Phone:	216.621.2234				
Email:	rkline@tarolli.com				
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>					
Correspondent Name:	CHRISTOPHER P. HARRIS				
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Address Line 2:	1300 EAST NINTH STREET, SUITE 1700				
Address Line 4:	CLEVELAND, OHIO 44114				
ATTORNEY DOCKET NUMBER:	8364821				
NAME OF SUBMITTER:	CHRISTOPHER P. HARRIS				
Signature:	/Christopher P Harris/				

OP \$40.00 8364821

Date:

12/23/2013

**Total Attachments: 5**

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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)**

TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND

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

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

Name: TELECOMMUNICATION SYSTEMS, INC.

Internal Address: \_\_\_\_\_

Street Address: 475 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) DECEMBER 19, 2013

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other NUNC PRO TUNC

**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: 13/345187  
FILED: 01/06/2012

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: 8364821

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:

4

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

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 Executive Order 9424, Confirmatory License  
 Other NUNC PRO TUNC

**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: 12/318946  
FILED: 01/13/2009

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: 8095663

Email Address: charris@tarolli.com

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

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## NUNC PRO TUNC ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, TeleCommunication Systems Corporation of Maryland, a Maryland corporation ("*Assignor*") executes this Nunc Pro Tunc Assignment of Patent Rights (this "*Assignment*") through Bruce A. White, having an address at 275 West Street, Annapolis, MD 21401, as Assignor's duly appointed Resident Agent and Secretary pursuant to the Articles of Dissolution, dated December 24, 2009, filed with the State of Maryland on December 28, 2009. Assignor is invested with full authority under §3-408(b) of the Md. Code, Corporation and Associations, Art. §3-408(b) Maryland to distribute its assets and do all other acts required to liquidate and wind up Assignor's business and affairs. In furtherance of such windup, Assignor now makes this Assignment. Assignor previously executed on October 4, 2006 that certain Assignment of Assignor's Interest recorded October 5, 2006 with the United States Patent and Trademark Office at Reel/Frame 018350/0155 (the "*Previous Assignment*"). The Previous Assignment contained the mistaken statement that Assignor held "only bare legal title" to the patents and patent applications that were the subject to the Previous Assignment. To the full extent not previously assigned to TeleCommunication Systems, Inc., a Maryland corporation, with an address at 275 West Street, Annapolis, MD 21401 ("*Assignee*") by the Previous Assignment, Assignor does hereby, as of October 5, 2006, sell, assign, transfer, and convey unto Assignee all right, title, and interest that exist as of October 5, 2006 and may exist thereafter in and to all of the following (collectively, the "*Patent Rights*"), including:

- (a) the patents and patent applications listed below (the "*Patents*")

Patent No.	Application No.	Title	Country	Filing Date	First Named Inventors
7,483,983	09/709,487	Method and system for deploying content to wireless devices	United States	13 November 2000	Rudy G. Bonefas
	60/240,087	Run-time engine implemented on a computing device allowing synchronization of records during application execution	United States	16 October 2000	Joseph R. Nardone
7,716,374	09/977,686	Run-time engine implemented on a computing device allowing synchronization of records	United States	16 October 2001	Joseph R. Nardone

		during application execution			
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;

(b) rights to apply for any patent that claims priority to the Patents;

(c) in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any of the Patents and the inventions, invention disclosures, and discoveries described in any of the Patents to the extent that any such inventions, invention disclosures, and discoveries (i) are included in any claim in the Patents, (ii) are subject matter capable of being reduced to a patent claim in any reissue or reexamination proceedings or other post-grant review brought on any of the Patents, and/or (iii) could have been and/or could be included as a claim in any continuations, continuations in part, continuing prosecution applications, requests for continuing examinations and/or divisions of the Patents or any item described in the foregoing category (b);

(d) all patents or patent applications that are current and future reissues, reexaminations, or other post-grant review, extensions, continuations, request for continuing examinations, continuations in part, continuing prosecution applications, or divisions of any of the Patents and/or any item in the foregoing categories (b) and (c);

(e) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to the any item in any of the foregoing categories (a) through (d, including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(e) causes of action (whether currently pending, filed, or otherwise) and other enforcement rights, including, without limitation, all rights under Patents and/or under or on account of any item in any of the foregoing categories (a) through (e) to

- (i) damages,
- (ii) injunctive relief, and
- (iii) other remedies of any kind

for past, current, and future infringement; and

(g) all rights to collect royalties and other payments under or on account of any of the Patents or any item in any of the foregoing categories (b) through (e).

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights to be Assigned in the name of Assignee, as the assignee to the entire interest therein.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Rockville, MD on December 19, 2013.

ASSIGNOR:

**TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND**

By: Bruce A. White

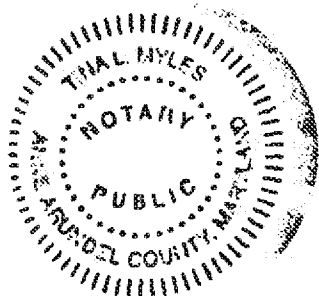
Name: BRUCE A. WHITE

Title: SECRETARY

STATE OF ) Maryland  
COUNTY OF ) Anne Arundel

On December 19, 2013, before me Tina L. Myles, Notary Public, personally appeared Bruce A. White, 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.

*I certify under PENALTY OF PERJURY under the laws of the State of Maryland that the foregoing paragraph is true and correct. WITNESS my hand and official seal.*



Tina L. Myles  
TINA L. MYLES  
NOTARY PUBLIC  
ANNE ARUNDEL COUNTY  
MY COMMISSION EXPIRES 11-04-15