

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3239202

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TELECOMMUNICATION SYSTEMS CORPORATION OF MARYLAND	10/04/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TELECOMMUNICATION SYSTEMS, INC.
<b>Street Address:</b>	275 WEST STREET
<b>Internal Address:</b>	SUITE 400
<b>City:</b>	ANNAPOLIS
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21401
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14630052
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	410-295-1426
<b>Email:</b>	bollman@mdslaw.com
<b>Correspondent Name:</b>	TELECOMMUNICATION SYSTEMS, INC.
<b>Address Line 1:</b>	275 WEST STREET
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	ANNAPOLIS, MARYLAND 21401
<b>ATTORNEY DOCKET NUMBER:</b>	40260
<b>NAME OF SUBMITTER:</b>	WILLIAM H. BOLLMAN
<b>SIGNATURE:</b>	/William H. Bollman/
<b>DATE SIGNED:</b>	02/24/2015
<b>Total Attachments: 5</b>	
source=Assignment-TCSMD-TCS#page1.tif	
source=Assignment-TCSMD-TCS#page2.tif	
source=Assignment-TCSMD-TCS#page3.tif	
source=Assignment-TCSMD-TCS#page4.tif	



## ASSIGNMENT AND AGREEMENT

THIS PATENT ASSIGNMENT (this "Assignment") is by and between **TeleCommunication Systems Corporation of Maryland**, a corporation in the State of **Maryland**, having an office at 275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A., (**ASSIGNOR**) and **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 (**ASSIGNEE**).

### RECITALS

- A. WHEREAS, **ASSIGNOR** presently owns or controls certain patents and patent applications listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS AND APPLICATIONS), respectively and;
- B. WHEREAS, **ASSIGNOR** desires to transfer, assign, convey, deliver, and vest all of its interests and rights in **TRANSFERRED PATENTS AND APPLICATIONS** for all countries, jurisdictions and political entities of the world, to and in **TeleCommunication Systems, Inc.**

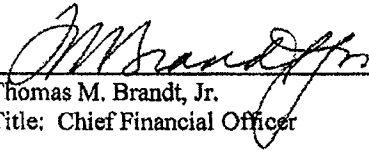
NOW, THEREFORE, in consideration of good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

**ASSIGNOR**, subject to existing rights and licenses of third parties, does hereby assign, convey and transfer and deliver, and agrees to assign, convey, transfer and deliver to **TeleCommunication Systems, Inc.**, its successors, assigns and legal representatives or nominees, **ASSIGNOR'S** entire right title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement to all **TRANSFERRED PATENTS AND APPLICATIONS**, and corresponding counterpart foreign applications and patent applications, with respect to which, and to the extent to which, **ASSIGNOR** now has or hereafter the right to so assign, convey, transfer and deliver. **TeleCommunication Systems, Inc.** recognizes that **ASSIGNOR** hold only bare legal title to the **TRANSFERRED PATENTS AND APPLICATIONS**.

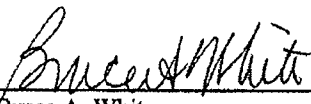
**ASSIGNOR** agrees that, upon request it will, at any time without charge to **TeleCommunication Systems Corporation of Maryland**, but at **TeleCommunication Systems, Inc.'s** expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to **TRANSFERRED PATENTS AND APPLICATIONS** in **TeleCommunication Systems, Inc.**, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in **TeleCommunication Systems, Inc.** and respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

TeleCommunication Systems Corporation of Maryland

By:   
Thomas M. Brandt, Jr.  
Title: Chief Financial Officer  
Date: October 4, 2006

TeleCommunication Systems, Inc.

By:   
Bruce A. White  
Title: Vice President  
Date: October 4, 2006

APPENDIX A - Patents

Patent Number	Title	Inventors	Issue Date
6,304,746	Method and System for Providing Formatted Information Via a Two Way Communications System	Anthony C. Fascenda Peter Kibler	October 16, 2001
6,341,270	Method for Providing Vendor Notification Marketing in an Electronic Commerce Network Environment	Augustine N. Esposito Gregg Garrett	January 22, 2002
6,535,885	Multikeyed Table Implementable on a Digital Personal Assistant	Joseph R. Nardone Larry D. Mason	March 18, 2003
6,546,374	Apparatus for Providing Instant Vendor Notification in an Electronic Commerce Network Environment	Augustine N. Esposito Gregg Garrett	April 8, 2003
6,560,604	System, Method, and Apparatus for Automatically and Dynamically Updating Options, Features, and/or Services Available to a Client Device	Anthony Fascenda	May 6, 2003
6,587,838	Method and System for Conducting Real Time Electronic Commerce	Augustine N. Esposito Gregg Garrett	July 1, 2003
6,704,768	System, method and Computer Program Product for Providing Serve Discovery Services During a Startup Sequence	Jame M. Zombek Richard K. Sobchak Rudy G. Bonefas	March 9, 2004
6,011,954	Transmitting Updated Information	Bo Kroll	January 14, 2000
6,466,937	System, Method and Apparatus for Utilizing Transaction Databases in a Client Server Environment	Anthony Fascenda Rajiv Syngal	October 15, 2002
6,845,084	Routing Protocol Selection for an Ad Hoc Network	Aniruddha Rangnekar Stephen Quirolgico	January 18, 2005
7,003,571	System and Method for Re-Directing Requests from Browsers for Communication Over Non-Ip Based Networks	James Zombek Donald Edwards	February 21, 2006
7,024,474	System and Method to Publish Information from Servers to remote Devices	Ken Clubb Lyle Sutton	April 4, 2006

APPENDIX B – U.S. Patent Applications

U.S Patent Application	Title	Inventors	Filing Date
09/694,297	Messaging Method and Apparatus for Setting and Receiving Messages in a Client Server Environment Over Multiple Wireless and Wireline	James Zombek Richard Sobchak Rudy Bonefas	October 24, 2000
09/704,535	System and Method for Developing Applications in Wireless and Wireline Environments	James Zombek Richard Sobchak Rudy Bonefas	
09/770,770	WEB Page Content Translator	Yin Cheng Wilfredo Padin Rongli Jiang Andrew Fedorchek	November 6, 2000
09/709,487	Method and System for Deploying Content to Wireless Devices	Rudy Bonefas Michael Miller Dale Shelton L.Jay Wantz	November 13, 2000
09/736,167	Site Mining Stylesheet Generator	Douglas J. Jakubowski	December 15, 2000
09/494,553	Messaging Method and Apparatus for Routing Messages in a Client Server Environment Over Multiple Wireless and Wireline Networks	Rudy Boenfas Jim Zombek Rick Sobchak	January 31, 2000
09/740,040	Messaging Method and Apparatus Including a Protocol Stack that Corresponds Substantially to an Open System Interconnection Model and Incorporates a Simple Network Transport Layer	James M. Zombek Richard Sobchak Rudy Bonefas	December 20, 2000

APPENDIX B - U.S. Patent Applications (Cont)

09/767,266	A System Method and Computer Program Product for Maintaining Program State Over Wireless Networks that Dynamically Won't Load Balance Messages Across Multiple Servers	James Zombek Richard Sobchak Lyle Sutton	January 23, 2001
09/932,982	System for Efficiently Handling Cryptographic Messages Containing Nonce Values in a Wireless Connectionless Environment without Compromising Security	Todd Lagimonier	August 30, 2001
09/941,582	Method and Apparatus for Storing Real-Time Text messages	Marina Libman	August 30, 2001
09/953,408	System for Automated, Mid-Session, User-Directed, Device-to Device Session Transfer System	Michael Miller	September 17, 2001
09/985,878	System for an Open Architecture Development Platform with Centralized Synchronization	Greg Visally Douglas Morrison Roy Bodayla	November 6, 2000
09/985,879	System for a Configurable Open Database Connectivity Conduit	Joseph Nardone Jeffrey Phelps Mark Wallace	November 6, 2000
09/985,880	System for a Run-Time Engine Capable for Pager Capable Remote Device	Andrew Hamilton Joseph Nardone	November 6, 2000
09/977,686	Run-Time Engine Implemented On a Computing Device Allowing Synchronization of Records During Application Execution	Joseph Nardone Larry D. Mason	October 16, 2000
10/026,887	System for Optimizing the Invocation of Computer Based Services Deployed in Distributed Computing Environment	Toff Lagimonier James Voris	December 27, 2001
10/265,740	Coordination of Data Received from One or More Sources Over One or More Channels Into a Single Context	Greg Gershman Michael J. Miller	October 8, 2002
09/723,285		Rudy Bonefas Richard Sobchak James Zombek	November 28, 2000