### 501841818 03/05/2012

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### CONVEYING PARTY DATA

Name	Execution Date
Telcordia Technologies, Inc.	06/16/2009

### **RECEIVING PARTY DATA**

Name:	Telcordia Licensing Company LLC		
Street Address:	One Telcordia Drive		
City:	Piscataway		
State/Country:	NEW JERSEY		
Postal Code:	08854		

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13408728

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### Total Attachments: 6

NAME OF SUBMITTER:

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> PATENT REEL: 027806 FRAME: 0800

CH \$40.00 15408

#### ASSIGNMENT

WHEREAS, Telcordia Technologies, Inc., a Delaware corporation having offices at One Telcordia Drive, Piscataway, New Jersey 08854, ("Telcordia"), owns, by assignment, all right, title, and interest in patents and patent applications listed in Exhibit A (collectively the "Patent Assets"), including any inventions claimed therein; and

WHEREAS, Telcordia Licensing Company LLC ("TLC"), a wholly owned subsidiary of Telcordia having offices at One Telcordia Drive, Piscataway, New Jersey 08854, has been created to take title to the Patent Assets and to enter into agreements with third parties to transfer and/or license and enforce such Patent Assets;

WHEREAS, Telcordia and TLC have entered into an Intellectual Property Assignment and Grant-back License Agreement dated February 20, 2009 (the "Agreement") whereby TLC, among other rights received Title to such Patents Assets subject to certain licenses and retained rights.

NOW THEREFORE, in consideration of the assignments, promises, covenants and warranties set forth below, and for other good and valuable consideration, the receipt, adequacy and sufficiency of which are acknowledged by each party hereto, the parties, intending to be legally bound, agree as follows:

Subject to any licenses and rights previously granted including the retained rights and licenses under the Agreement, effective February 20, 2009, TELCORDIA HEREBY assigns, transfers, and sets over to TLC, its lawful successors and assigns, Telcordia's entire right, title, and interest in and to the Patent Assets, and the inventions claimed therein; and Telcordia hereby authorizes and requests 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 these inventions to TLC, its successors and assigns, in accordance with the terms of this Assignment;

AND, TELCORDIA HEREBY further covenants that Telcordia has the full right to convey the interest assigned by this Assignment, Telcordia will take all action and execute all documents necessary to perfect the interest assigned hereby, and Telcordia has not executed and will not execute any agreement in conflict with this Assignment;

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.

Date: 6/16/01

doseph Giordano, General Counsel and Secretary

Telcordia Technologies, Inc.

PATENT REEL: 027806 FRAME: 0801

# SCHEDULE A

Application no	Elling Date	Ittle of Patent Application and Names of inventors
40/420 500		Analytically determining revenue of internet companies using internet metrics
10/139,503 5/3/200	5/3/2002	Dao, Fu-Tak; Martija, Ricardo; Spacek, Thomas; Weerahandi, Samaradasa
10/298,506	11/19/2002	Efficient piconet formation and maintenance in a bluetooth wireless network
10/665,033	9/18/2003	Anjum, Farooq; Jain, Ravi; Adamou, Maria  Dynamic cost network routing
	0.710/2000	David Dudley; Srividya Iyer; Chad Herbert; Sanyogita Gupta Scalable and dynamic quality of service control
10/706,796	11/12/2003	John Unger; Harshad Tanna; Gabor Kiss; Vincent Massa; Andrei Ghetie
10/779,058	2/13/2004	Application service peering and aggregation  Kong Cheng; Benjamin Falchuk; Vito Jokubaitis; Fuchun J. Lin;
10/020 575	4/01/0004	Robert Pinheiro Two-stage data validation and mapping for database access
10/828,575	4/21/2004	Cheng, Kong Eng; Cochinwala, Munir; Egan, Dennis E.; Falchuk, Benjamin W.; Lee, Chiao-Wei; Wullert II, John R. Method, computer product and system for correlating events in a
10/853,083	5/25/2004	network  Narayanan Natarajan; Shrirang Gadgil
10/913,572	8/6/2004	Dial-Out Voice Notification System
10/971,233	1/31/2005	Pietrowicz, Stanley  Combined adaptive spatio-temporal processing and multi-user detection for CDMA wireless systems  Shimon Moshavi; Joseph Charles Liberti Jr.; Paul Gerald Zablocky
10/971,237	1/27/2005	Parallel interference cancellation and minimum cost channel estimation  Shimon Moshavi; Joseph Charles Liberti Jr.; Paul Gerald Zablocky
10/978,204	(10/29/2004)	Method And System For Estimating And Applying A Step Size Value For LMS Echo Cancellers
11/011,343	12/14/2004	Pietrowicz, Stanley  Crosstalk Identification For Spectrum Management In  Broadband Telecommunications Systems
11/067,984	2/28/2005	Hausman, Robert; Galli, Stefano; Kerpez, Kenneth Location based services for integrated cellular and LAN networks
11/091,555	3/28/2005	Michael J. Loushine  Bridging Local Device Communications Across The Wide Area
11/101,136	4/7/2005	Moyer, Stanley; Famolari, David; Marples, David  Determining and provisioning paths in a network
		Sanyogita Gupta

Application no.	Filing Date	Title of Patent Application and Names of Inventors
11/116,512	4/28/2005	CALL ADMISSION CONTROL PREEMPTION CONTROL OVER A SECURE TACTICAL NETWORK
, , , , , ,		CHANG. KIRK;KIM, GI TAE;UNGER, JOHN;SUCEC, JOHN;SAMTANI, SUNIL
11/125,721	5/10/2005	Method and system for predicting blocking in a network
		Komandur Krishnan; Judith L. Jerkins; Arnold Neidhardt Lens-based apparatus and method for filtering network traffic
11/127,716	5/12/2005	data
		Marc F. Pucci; David Rosenbluth
11/127,723	5/12/2005	Imaging system for network traffic data  Marc F. Pucci; David Rosenbluth
11/129,071	5/12/2005	Receptor array for managing network traffic data  Marc F. Pucci; David Rosenbluth
		Ad-hoc multimedia information exploitation via web services and
11/167,029	6/27/2005	mobile agents
		Benjamin W. Falchuk
11/170,481	6/29/2005	Model-driven service creation and management
	· · · · · · · · · · · · · · · · · · ·	John R. Wullert II; Munir Cochinwala; Hyong Sop Shim  System and method for consensus-based knowledge validation,
11/218,015	9/1/2005	analysis and collaboration
		Clifford A. Behrens; Hyong-sop Shim
11/222,879	(09/09/2005)	Advertisement On Demand Service
11/251,224	(10/14/2005)	Libonati, Michael; Bunz, Marcus P.; Russell, Fred W. Estimating Available Bandwith And Enhancing Narrow Link Bandwith Estimations In Telecommunications Networks Using Existing User Traffic
	·	Chang, Kirk K.; Sucec, John M.; Tanna, Harshad; Lee, John; Samtani, Sunil
11/260,914	10/28/2005	Detecting Exploit Code in Network Flows
		VAN DEN BERG, ERIC; CHINCHANI, RAMKUMAR  Message identification, correlation, recipient authentication, and
11/262,626	10/31/2005	reception confirmation in multi-event and multi-media environments
		Chiao-Wei Lee; Chao-Chi Tong; Mark J. Szachara
11/266,827	11/4/2005	System and method for trust management
		John-Luc Bakker; Chit F. Chung; Andrew D. Jun
11/268,105	11/7/2005	Bandwidth allocation for video-on-demand networks
		Hanan Luss
11/282,509	11/18/2005	Framework for hybrid ad-hoc networks
	ļ	Yibei Ling; Wal Chen; Paul Li-Ching Yu
11/299,570	12/12/2005	Lightweight packet-drop detection for ad hoc networks
		Anjum Farooq; Rajesh R. Talpade

# TTI-TLC Assignment Schedule A – Pending Patent Applications – Page 3 of 5

Filing Date	Title of Patent Application and Names of Inventors
1/11/2006	Methods and apparatus for implementing model-based software solution development and integrated change management
	Devasis Bassu; Ashish Jain; Rabih Zbib; Hiralal Agrawal
1/26/2006	System and method for authorized digital content distribution
	John R. Wullert II; David J. Marples
1/26/2006	Capacity management system for passive optical networks
	Kenneth J. Kerpez
2/3/2006	Calculations for admission control  Brian A. Coan; Arnold L. Neidhardt; Balakrishnan Dasarathy
3/14/2006	Iterative STBICM MIMO receiver using group-wise demapping
	John C. Koshy; Joseph C. Liberti; Timothy R. Hoeming; Secure virtual point of service for 3G wireless networks
5/16/2006	Vijay K. Varma; Faramak Vakii; Raquel Morera Sempere;
5/18/2006	Giovanni Di Crescenzo SEAMLESS HANDOFF ACROSS HETEROGENEOUS ACCESS NETWORKS USING A HANDOFF CONTROLLER IN A SERVICE CONTROL POINT
	Ashutosh Dutta; Subir Das; Donald R. Lukacs; Tao Zhang; David C. Shrader; Raquel Morera Sempere; Stephanie Demers; Bryan J. Lyles; James Alfleri
9/27/2006	Methods and systems for optical performance monitoring  Ronald A. Skoog; Thomas Banwell; Joel W. Gannett; Sarry Habiby; Russell Fischer; Haim Kobrinski
11/1/2006	SYSTEM AND METHOD FOR PEER-TO-PEER DIGITAL CONTENT SHARING David Marples; Stanley Moyer
11/1/2006	System and method for high QoS digital content-based services
<u> </u>	David Marples; Stanley Moyer  System and method for generating consumer relational
11/3/2006	marketing information in a system for the distribution of digital content
	Chris Drake; David Marples; Stanley Moyer  Method and System for Using Dynamic Throughput Graphs for
12/26/2006	Ensuring QOS in Converged Networks
	Anjum, Farooq;Kant, Latha;Poylisher, Alexander;Chadha, Ritu Architecture for information dissemination in wireless mobile ad
2/21/2007	hoc networks
	Benjamin Falchuk; Abdelhakim Hafid; Narayanan Natarajan Integrated service creation and execution platforms for the
3/1/2007	converged networks
	Jain; Ashish; Bassu; Devasis; Agrawal; Hira; London; Saul; Lott; Christopher;
3/13/2007	Wireless Intelligent Network (WIN) support for centralized service control in an IP Multimedia Subsystem (IMS) network
	Donald Lukacs
3/20/2007	Method for equitable placement of a limited number of sensors for wide area surveillance
	1/11/2006 1/26/2006 1/26/2006 2/3/2006 3/14/2006 5/16/2006 5/18/2006 11/1/2006 11/1/2006 11/3/2006 12/26/2006 2/21/2007 3/13/2007

# TTI-TLC Assignment Schedule A – Pending Patent Applications – Page 4 of 5

11/805,781	5/24/2007	Hanan Luss  Pre-paid security mechanism in a post-pay telecommunications
11/805,781	5/24/2007	Pre-paid security mechanism in a post-pay telecommunications
<u> </u>		system  Mir, Amanullah; Hopson, Alan; Yeh, Grace; Hevrich, David;
11/807,002	5/25/2007	Bhavsar, Hema; McGrail, Lori Flexible Rating Rules And Calender Rules Implemented In A Real-Time Charging System For A Telecommunications Network Crimi, Joseph; Hopson, Alan; Hsu, Jeff; Johnson, Robert; McMahon, Cathryn S.; Mir, Amanullah; Nettar, Dinesh;
11/809,455	6/1/2007	Silverstein, Glenn; Gupla, Arvind; Stilborn, Richard Concept based cross media indexing and retrieval of speech documents
11/825,365	7/6/2007	Clifford A. Behrens, Dennis E. Egan; Devasis Bassu Automated policy generation for mobile ad hoc networks Chiang, Cho-Yu Jason; Levin, Gary; Gottlieb, Yitzchak; Chadha, Ritu; Li, Shih-wei
11/973,955	10/11/2007	Efficient piconet formation and maintenance in a bluetooth wireless network  Jain, Ravi Kumar; Adamou, Maria; Anjum, Farooq
11/975,532	10/19/2007	Analytically determining revenue of internet companies using internet metrics  Dao, Fu-Tak; Martija, Ricardo; Spacek, Thomas; Weerahandi, Samaradasa
11/975,533	10/19/2007	Analytically determining revenue of internet companies using internet metrics  Dao, Fu-Tak; Martija, Ricardo; Spacek, Thomas; Weerahandi, Samaradasa
11/978,773	10/30/2007	Virus localization using cryptographic hashing Di Crescenzo, Giovanni; Vakil, Faramak
11/982,004	10/31/2007	Dynamic network selection using kernels  Eric Van Den Berg, Joseph Bryan Lyles, Praveen Gopalakrishnan, Byungsuk Klm
11/982,675	11/2/2007	METHOD AND SYSTEM FOR POLICY ENABLED PROGRAMMING Cochinwala, Munir; Micallef, Josephine; Wullert II, John R.
11/982,678	11/2/2007	DYNAMIC ORDER FULFILLMENT FOR COMMUNICATIONS, INFORMATION AND ENTERTAINMENT SERVICES  Atwater, Beauford; Cochinwala, Munir; Micallef, Josephine; Wuulert II, John R.
11/985,973	11/19/2007	METHOD AND SYSTEM FOR DEVELOPING AND DEPLOYING CONVERGED SERVICES  Bassu, Devasis;Agrawal, Hirala;Jain, Ashish;Lott, Christopher;London, Saul
11/986,845	11/27/2007	DEMAND-DRIVEN PRIORITIZED DATA STRUCTURE  Lau, Richard; Kim, Heechang; Siegell, Bruce
12/001,974	12/13/2007	TRIGGERED PLAYBACK OF RECORDED MESSAGES TO INCOMING TELEPHONE CALLS TO A CELLULAR PHONE  John Wullert

# TTI-TLC Assignment Schedule A – Pending Patent Applications – Page 5 of 5

Application no. Filing Date Title of Patent Application and Names of Inventors		
12/001,975	12/13/2007	Enhanced Phone-Based Collaboration  Korycki, Jacek; Peszek, Robert: Smyk, Darek
12/187,156	8/6/2008	METHOD AND SYSTEM FOR USING CELLULAR/WIRELESS PHONES AND DEVICES FOR RETRIEVING EMERGENCY RELATED PERSONAL DATA  JAIN, ASHISH;PUCCI, MARC; WULLERT II, JOHN R.