

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM316725

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
Sonus Networks, Inc.		06/27/2014	CORPORATION: DELAWARE
Sonus Federal, Inc.		06/27/2014	CORPORATION: DELAWARE
Network Equipment Technologies, Inc.		06/27/2014	CORPORATION: DELAWARE
Performance Technologies, Incorporated		06/27/2014	CORPORATION: DELAWARE
Sonus International, Inc.		06/27/2014	CORPORATION: DELAWARE

**RECEIVING PARTY DATA**

<b>Name:</b>	Bank of America, N.A., as Administrative Agent
<b>Street Address:</b>	100 Federal Street
<b>Internal Address:</b>	Mail Code MA5-100-08-13
<b>City:</b>	Boston
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02110
<b>Entity Type:</b>	National Association: UNITED STATES

**PROPERTY NUMBERS Total: 19**

Property Type	Number	Word Mark
<b>Registration Number:</b>	3901833	CONNEXIP
<b>Registration Number:</b>	2987227	IPNEXUS
<b>Registration Number:</b>	2904692	IPNEXUS
<b>Registration Number:</b>	3709481	MOBILEEDGE
<b>Registration Number:</b>	4294418	MONTEREY 8000
<b>Registration Number:</b>	1984945	NET
<b>Registration Number:</b>	3618110	NET
<b>Registration Number:</b>	4029341	NETASSURE
<b>Registration Number:</b>	3923955	NETENG
<b>Registration Number:</b>	3806662	NETSCORE
<b>Registration Number:</b>	3125974	NEXUSWARE
<b>Registration Number:</b>	2179502	PROMINA
<b>Registration Number:</b>	4291414	PT
<b>Registration Number:</b>	4387922	SEGWAY

**TRADEMARK**

Property Type	Number	Word Mark
Registration Number:	4084988	SIP XPRESS
Registration Number:	2565627	SONUS
Registration Number:	2566200	SONUS
Registration Number:	4343805	S
Registration Number:	4023937	VOICESENTRY

**CORRESPONDENCE DATA**

Fax Number: 6172484000

*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.*

Email: tadmin@choate.com

Correspondent Name: Elizabeth A. Walker

Address Line 1: Two International Place

Address Line 2: Choate Hall & Stewart LLP

Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	2006775-0004
NAME OF SUBMITTER:	Elizabeth A. Walker
SIGNATURE:	/Elizabeth A. Walker/
DATE SIGNED:	09/11/2014

**Total Attachments: 7**

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NOTICE  
OF  
GRANT OF SECURITY INTEREST  
IN  
TRADEMARKS

United States Patent and Trademark Office

Ladies and Gentlemen:


Please be advised that pursuant to the Security and Pledge Agreement dated as of June 27, 2014 by and among the Debtors party thereto (each a "Debtor" and collectively, the "Debtors") and Bank of America, N.A., as administrative agent (the "Administrative Agent") for the Secured Parties referenced therein, the undersigned Debtors have granted a continuing security interest in and continuing lien upon the trademarks and trademark applications shown on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

The undersigned Debtors and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing trademarks and trademark applications (a) may only be terminated in accordance with the terms of the Agreement and (b) is not to be construed as an assignment of any trademark or trademark application.


*[signature pages follow]*

Very truly yours,

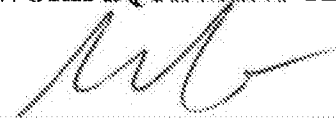
**SONUS NETWORKS, INC.**

By:   
Name: Mark T. Greenquist  
Title: Chief Financial Officer


**SONUS FEDERAL, INC.**

By:   
Name: Mark T. Greenquist  
Title: Treasurer


**NETWORK EQUIPMENT TECHNOLOGIES, INC.**

By:   
Name: Mark T. Greenquist  
Title: Chief Executive Officer, President and Treasurer

**PERFORMANCE TECHNOLOGIES, INCORPORATED**

By:   
Name: Mark T. Greenquist  
Title: Chief Executive Officer, President and Treasurer

**SONUS INTERNATIONAL, INC.**

By:   
Name: Mark T. Greenquist  
Title: Treasurer, Assistant Secretary and Vice President

Acknowledged and Accepted:

**BANK OF AMERICA, N.A.**, as Administrative Agent

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

Name: Scott W. Vokéy

Title: Senior Vice President

[Signature Page to Notice of Security Interest in Trademarks]

**TRADEMARK**  
**REEL: 005361 FRAME: 0109**

Schedule I

**ALL TRADEMARKS IN THE NAMES OF SONUS NETWORKS, INC., PERFORMANCE TECHNOLOGIES INCORPORATED AND NETWORK EQUIPMENT TECHNOLOGIES, INC. 6/11/14**

MARK	APPLICATION NUMBER	DATE FILED	REGISTRATION NUMBER	REGISTRATION DATE	COUNTRY/ TERRITORY	STATUS	APPLICANT/REGISTRANT	CLASS	CLASS & DESCRIPTION OF GOODS/SERVICES
ComnetXP	77889534	9 Dec-2009	3901833	4 Jan-2011	United States	Registered	Sonus Networks, Inc.	9	9-Voice network servers for control, management and delivery of voice, video and other data in a telecommunications network
IPnetxus	78309445	4-Oct-2003	2987227	23-Aug-2005	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	Switching and network access products, namely, embedded Ethernet switches, network adapters for telecommunication uses, SS7/IP signaling computers, computer software and development tools, and Wide Area Network (WAN) protocol computer software
IPnetxus	78207267	Jan-27-2003	2904602	23-Nov-2004	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	Switching and network access products, namely, embedded Ethernet switches, network adapters for telecommunication uses, SS7/IP signaling computers, computer software and development tools, and Wide Area Network (WAN) protocol computer software
MOBILEEDGE	77394436	12-Feb-2008	3709481	10-Nov-2009	United States	Registered	Sonus Networks, Inc.	9	9-Computer software and hardware operating as a wireless access mode for circuit switched and packet switched telephony services, providing a bridge for femtocell and picocell access networks, IP-based core networks and macro wireless communication networks; computer software and hardware which enables delivery of applications and services to mobile and broadband users through a single IP-based core network; computer software and hardware which supports mobile-originated and mobile-terminated calls and short message service calls; computer software and hardware which enables routing mobility and signaling inter-networking between macro and IP-based core networks, macro wireless communication networks, and femtocell/picocell radio networks
Monterey 8000	85491072	8-Dec-2011	4294418	26-Feb-2013	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	Computer hardware and software systems for operation and management of high-speed telecommunications applications, namely, IP-based computer network switches, integrated computer operating system, media gateway routers, wireless gateway routers, security servers, IMS-based servers, SIP-based servers, and Military Sensor Acquisition/Relay and Communications Systems
NET (and Design)	74482656	26-Jan-1994	1984945	9-Jul-1996	United States	Registered	Network Equipment Technologies, Inc.	9	009-communications processors, central processing units and cabinets therefor; computer programs for use in communications processing and management of digital information transmitted in a network; and user and instruction manuals sold as a unit

NET (and Design)	77271043	4-Sep-2007	3618310	12-May-2009	United States	Registered	Network Equipment Technologies, Inc.	9	009-TELECOMMUNICATIONS AND DATA NETWORKING HARDWARE, NAMELY, DEVICES FOR TRANSPORTING AND AGGREGATING VOICE AND DATA COMMUNICATIONS; TELECOMMUNICATIONS AND DATA NETWORKING SOFTWARE FOR USE IN TRANSPORTING AND AGGREGATING VOICE AND DATA COMMUNICATIONS; TELECOMMUNICATIONS SWITCHES; TELECOMMUNICATION EXCHANGERS; COMPUTER HARDWARE FOR TELECOMMUNICATIONS
NETASSURE	77860691	29-Oct-2009	4029341	20-Sep-2011	United States	Registered	Sonus Networks, Inc.	9	9-Computer software for performing active and passive monitoring of voice services quality through deep packet inspection in an Internet telephony network
NETENG	77860682	29-Oct-2009	3923955	22-Feb-2011	United States	Registered	Sonus Networks, Inc.	9	9-Computer software for monitoring computer network performance
NETSCORE	77860659	29-Oct-2009	3806662	22-Jun-2010	United States	Registered	Sonus Networks, Inc.	9	9-Computer software for collection, analysis, monitoring and reporting of call detail records in an internet telephony system
NexusWare	78365345	11-Feb-2005	3123974	8-Aug-2006	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	Computer software development tools in the fields of development and operation of media gateways and controllers, wide-area network, protocol, communications controllers, and IP-based telephony signaling systems, together with documentation.
PROMINA	75231203	14-Jan-1997	2179502	4-Aug-1998	United States	Registered	Network Equipment Technologies, Inc.	9	009-communications processors, computer programs for use in communications processing and management of digital information transmitted in a network; and user and instruction manuals sold as a unit
PT Design	85609291	26-Apr-2012	4291414	19-Feb-2013	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	A full line of network communications hardware and software
SEGway	85822248	14-Jan-2013	4387922	20-Aug-2013	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	Computer hardware and software systems for creating, deploying, and managing electronic data switches in the fields of telecommunications and data communications
SIP Xpress	85194212	9-Dec-2010	4084988	10-Jan-2012	United States	Registered	PERFORMANCE TECHNOLOGIES INCORPORATED	9	computer hardware, software, and software development tools for creating, deploying, and managing applications for voice over IP packet/session initiation protocol-based communication switches
SONUS	75876261	7-Apr-1999	2563627	30-Apr-2002	United States	Registered	Sonus Networks, Inc.	37, 41, 42, 9	37-Installation, maintenance and repair of communications equipment; 41-Training in the use of communications equipment; training in the use of computer software and hardware for communications equipment; 42-Technical consultation in the field of the installation, operation and use of communications equipment; design for others in the field of communications; updating and upgrading of computer software; leasing of communications equipment software and hardware; 9-Migration of voice traffic from a circuit network onto a data network; and computer software for controlling communications switches



SONUS and design	76193271	11-Jan-2001	2566200	30-Apr-2002	United States	Registered	Sonus Networks, Inc.	9	9: COMMUNICATIONS EQUIPMENT, NAMELY, SWITCHES FOR PROVIDING MIGRATION OF VOICE TRAFFIC FROM A CIRCUIT NETWORK ONTO A DATA NETWORK, AND COMPUTER SOFTWARE FOR CONTROLLING COMMUNICATIONS SWITCHES
SONUS logo (new)	85579822	26-Mar-2012	4343805	28-May-2013	United States	Registered	Sonus Networks, Inc.	37, 41, 42, 9	37: Installation, maintenance and repair of communications equipment* 41: Training in the use of communications hardware for communications equipment* 42: Technical consultation in the field of the installation, operation and use of communications equipment; design for others in the field of communications; updating and upgrading of computer software; leasing of communications equipment software and hardware* 9: Communications equipment, namely, switches for providing migration of voice traffic from a circuit network onto a data network, and computer software for controlling communications switches
VOICESENTRY	85179855	16-Nov-2010	4023937	6-Sep-2011	United States	Registered	Sonus Networks, Inc.	9	9: Computer hardware and software for preventing voice call attacks on a call center