

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3001960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
CREDIT SUISSE AG	08/19/2014
RECEIVING PARTY DATA	
Name:	ALCATEL-LUCENT USA INC.
Street Address:	600 MOUNTAIN AVENUE
City:	MURRAY HILL
State/Country:	NEW JERSEY
Postal Code:	07947
PROPERTY NUMBERS Total: 51	
Property Type	Number
Application Number:	14065790
Application Number:	14042533
Application Number:	14041991
Application Number:	14041851
Application Number:	14143434
Application Number:	14053201
Application Number:	14083739
Application Number:	14068713
Application Number:	14143376
Application Number:	14063730
Application Number:	14041945
Application Number:	14094961
Application Number:	14132748
Application Number:	14043534
Application Number:	14135632
Application Number:	14060827
Application Number:	13956166
Application Number:	14100081
Application Number:	14067547
Application Number:	14136335
Application Number:	14046149

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Property Type	Number
Application Number:	14042317
Application Number:	14139404
Application Number:	14105854
Application Number:	14087714
Application Number:	14143607
Application Number:	14105453
Application Number:	14107258
Application Number:	14107375
Application Number:	14143120
Application Number:	14105465
Application Number:	14100006
Application Number:	14060811
Application Number:	14053745
Application Number:	14043224
Application Number:	14083723
Application Number:	14042171
Application Number:	14057029
Application Number:	14057218
Application Number:	14063735
Application Number:	14058413
Application Number:	14048728
Application Number:	14041377
Application Number:	14042549
Application Number:	14060946
Application Number:	14106576
Application Number:	14053942
Application Number:	14137047
Application Number:	14100416
Application Number:	14133025
Application Number:	12630210

CORRESPONDENCE DATA

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PATENT

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Address Line 4: NEW YORK, NEW YORK 10022	
ATTORNEY DOCKET NUMBER:	36261-60
NAME OF SUBMITTER:	HAYLEY SMITH
SIGNATURE:	//Hayley Smith//
DATE SIGNED:	08/28/2014
Total Attachments: 9 source=US Patent Release - ALU USA 032176-0867#page1.tif source=US Patent Release - ALU USA 032176-0867#page2.tif source=US Patent Release - ALU USA 032176-0867#page3.tif source=US Patent Release - ALU USA 032176-0867#page4.tif source=US Patent Release - ALU USA 032176-0867#page5.tif source=US Patent Release - ALU USA 032176-0867#page6.tif source=US Patent Release - ALU USA 032176-0867#page7.tif source=US Patent Release - ALU USA 032176-0867#page8.tif source=US Patent Release - ALU USA 032176-0867#page9.tif	

RELEASE OF SECURITY INTEREST IN PATENTS

This Release of Security Interest in U.S. Patent (this "Release") is made as of August 19, 2014 ("Effective Date") by Credit Suisse AG, as collateral agent for the Secured Parties (in such capacity, including any successor thereto in such capacity, the "Collateral Agent"), in favor of Alcatel-Lucent USA Inc. ("Grantor"). Capitalized terms used but not defined herein shall have the respective meanings given thereto in the Security Agreement (as defined below).

WHEREAS, Grantor entered into a Pledge and Security Agreement dated as of January 30, 2013 (as it may be amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), among Grantor and each of the other grantors from time to time party thereto and the Collateral Agent;

WHEREAS, Grantor executed and delivered to the Collateral Agent that certain U.S. Patent Security Agreement, dated as of February 6, 2014 (the "U.S. Patent Security Agreement"), for recordation with the United States Patent and Trademark Office ("USPTO");

WHEREAS, pursuant to the terms and conditions of the Security Agreement and the U.S. Patent Security Agreement, Grantor has granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in and continuing lien on all of such Grantor's right, title and interest in, to and under all United States patents and certificates of invention, and applications for any of the foregoing, including, without limitation: (a) each patent and patent application listed on Schedule A attached hereto, (b) all reissues, divisionals, continuations, continuations-in-part, extensions, renewals, and reexaminations thereof, (c) the right to sue or otherwise recover for any past, present and future infringement or other violation thereof, (d) all Proceeds of the foregoing, including, without limitation, license fees, royalties, income, payments, claims, damages, and proceeds of suit now or hereafter due and/or payable with respect thereto, and (e) all other rights corresponding thereto under applicable law (collectively, the "Patent Collateral");

WHEREAS, the U.S. Patent Security Agreement was recorded in the USPTO on February 7, 2014 at reel/frame number 032176/0867;

WHEREAS, Grantor has (a) satisfied the terms of the Security Agreement and (b) requested that the Collateral Agent execute and deliver this Release pursuant to Section 9.08 of the Credit Agreement.

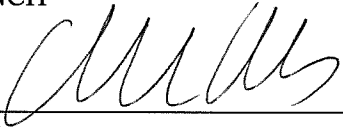
NOW, THEREFORE, in consideration of the foregoing, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Collateral Agent hereby irrevocably releases, relinquishes and discharges, with respect to Grantor, all of its continuing security interest in all Grantor's right, title or interest in, to and under the Patent Collateral, and re-assigns to Grantor any and all right, title or interest it may have in such Patent Collateral, all without recourse, warranty or representation of any kind.

The Collateral Agent hereby authorizes Grantor, Grantor's authorized representatives or a subsequent owner of any of the United States patents or patent applications listed on Schedule A to: (a) record this Release with the USPTO and/or any other applicable governmental office or agency, and (b) file, at the Grantor's sole cost and expense, UCC financing statement amendments in form and substance reasonably satisfactory to the Collateral Agent with the applicable filing offices in order to memorialize the release of the security interest of the Collateral Agent in the Patent Collateral.

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IN WITNESS WHEREOF, the Collateral Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date.

CREDIT SUISSE AG, CAYMAN ISLANDS
BRANCH

By: 

Name:

Title:

ROBERT HETU
AUTHORIZED SIGNATORY

By: 

Name:

Title:

Lingzi Huang
Authorized Signatory

SCHEDULE A

Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA Data)	Beneficial Owner Jan 15 (or Current if new)
US	Pending	14/065790			Dynamic Resource Sharing Among Cellular Networks	10/29/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/042533			Methods, Systems And Devices For Improving Discontinuous Reception In Wideband Wireless Networks	09/30/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/041991			Method And Apparatus For Improved Multicast Service Using Negotiated Feedback	09/30/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/041851			System, Method And Apparatus For Efficient Management Of S-Pmsi Resource In Rsvp P2mp Multicast Networks	09/30/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/143434			Method And Apparatus For Onu Authentication	12/30/2013		Alcatel-Lucent USA Inc.
US	Pending	14/053201			Method And Apparatus For Wireless Communication Using A Short-Range Base Station With Multiple Radio Interfaces	10/14/2013		Alcatel-Lucent USA Inc.

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Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA Data)	Beneficial Owner Jan 15 (or Current if new)
					Of Different Technologies			
US	Pending	14/083739			Optical Monitoring Using Optical Frequency Combs	11/19/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/068713			Method And System For Disaggregating Thermostatically Controlled Appliance Energy Usage From Other Energy Usage	10/31/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/143376			Driver Behavior Monitoring Systems And Methods For Driver Behavior Monitoring	12/30/2013		Alcatel-Lucent USA Inc.
US	Pending	14/063730			Method And Apparatus For Local Distribution Of Multiple Multimedia Channels From Multimedia Service Provider	10/25/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/041945			Method And Apparatus For Managing Data Transmission In A Communication Network	09/30/2013		Alcatel-Lucent USA Inc.
US	Pending	14/094961			Security Event Routing In A Distributed Hash Table	12/03/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/132748			Method For Correlation Of Requesting Information From A Remote Device	12/18/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/043534			Controlling Uplink Transmissions From Interfering Stations	10/01/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent	Alcatel-Lucent USA Inc.

Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA Data)	Beneficial Owner Jan 15 (or Current if new)
							USA Inc. (INV2-)	
US	Pending	14/135632			Wavelength-Selective Cross-Connect Device Having A Variable Number Of Common Ports	12/20/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-); Inventor 3 - Alcatel-Lucent USA Inc. (INV3-)	Alcatel-Lucent USA Inc.
US	Pending	14/060827			Detector Device	10/23/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	13/956166			Porous Plate For Uniform Reactants Dispersion In Pecvd Process Systems	07/31/2013		Alcatel-Lucent USA Inc.
US	Pending	14/100081			Allocation And Migration Of Cloud Resources In A Distributed Cloud System	12/09/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/067547			Network Device Configured To Generate Empty Route For Limiting Number Of Withdrawal Messages	10/30/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/136335			Motion Detection In The Compressed Sensing Domain	12/20/2013		Alcatel-Lucent USA Inc.
US	Pending	14/046149			Methods And Systems For Determining Hierarchical Community Decomposition	10/04/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/042317			Method And Apparatus For Beamforming	09/30/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.

Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA Data)	Beneficial Owner Jan 15 (or Current if new)
US	Pending	14/139404			Method And Apparatus For Monitoring Mobile Communication Networks	12/23/2013		Inc.
US	Pending	14/105854			Use Of Parity-Check Coding For Carrier-Phase Estimation In An Optical Transport System	12/13/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/087714			Hybrid Wavelength Selective Switch	11/22/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/143607			Methods And Systems For Improving Error Resilience In Video Delivery	12/30/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/105453			Proactive Provisioning Of Policies By An Andsf Server	12/13/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/107258			System And Method For Managing Data Center Alarms	12/16/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-)	Alcatel-Lucent USA Inc.
US	Pending	14/107375			System And Method For Identifying Historic Event Root Cause And Impact In A Data Center	12/16/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-)	Alcatel-Lucent USA Inc.
US	Pending	14/143120			Fault-Resilient Broadcast, Multicast, And Unicast Services	12/30/2013		Alcatel-Lucent USA Inc.
US	Pending	14/054654			Interference Alignment For Transmitter/Receiver Pairs In Wireless Communication Systems	10/15/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.

Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA Data)	Beneficial Owner Jan 15 (or Current if new)
US	Pending	14/100006			Resource Allocation In Support Of Voice Over Internet Protocol (Voip) In A Orthogonal Frequency Division Multiple Access (OFDMA) System	12/08/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-)	Alcatel-Lucent USA Inc.
US	Pending	14/060811			Radio Channel Prediction Based On Street Maps Using Modular Environmental Elements	10/23/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-); Inventor 3 - Alcatel-Lucent USA Inc. (INV3-)	Alcatel-Lucent USA Inc.
US	Pending	14/053745			Method And Apparatus For Providing Allocating Resources	10/15/2013		Alcatel-Lucent USA Inc.
US	Pending	14/043224			Decentralized Slow-Fading Precoding For Multi-Cell Wireless Systems	10/01/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/083723			Decentralized Online Cache Management For Digital Content	11/19/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/042171			Method And Apparatus For Bit-Interleaving	09/30/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/057029			Automated Testing Of Media Devices	10/18/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.

Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA new)	Beneficial Owner Jan 15 (or Current if new)
US	Pending	14/057218			Tamper-Resistant And Scalable Mutual Authentication For Machine-To-Machine Devices	10/18/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/063735			Simultaneous Localization And Mapping Systems And Methods	10/25/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/058413			Virtual Resource Placement For Cloud-Based Applications And Solutions	10/21/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/048728			A Large Scale Antenna System With Overlaying Small Cells	10/08/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/041377			A Method For Providing Ims Support For Enterprise Pbx Users	09/30/2013	Lucent Technologies Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/042549			Techniques For Improving Discontinuous Reception In Wideband Wireless Networks	09/30/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-)	Alcatel-Lucent USA Inc.
US	Pending	14/060946			Pedestal-Based Dielectric-Loaded Cavity Resonator	10/23/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.
US	Pending	14/106576			Mechanism To Provide Authorized Sip Redirection	12/13/2013	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.

Jurisdiction	Status	Filing Number	Publication Number	Grant Number	Title	Filing Date	Current Record Owner or Title in the name of (CPA Data)	Beneficial Owner Jan 15 (or Current if new)
US	Pending	14/053942			Method Of Receiving A Signal In A Wireless Communication Network And Associated Network Elements	10/15/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-); Inventor 3 - Alcatel-Lucent USA Inc. (INV3-); Inventor 4 - Alcatel-Lucent USA Inc. (INV4-)	Inc. Alcatel-Lucent USA Inc.
US	Pending	14/137047			Scotch: Scaling Up SDN Control-Plane Using Vswitch Based Overlay	12/20/2013		Alcatel-Lucent USA Inc.
US	Pending	14/100416			Online Application Testing Of Grown Application Capacity	12/09/2013	Inventor 1 - Alcatel-Lucent USA Inc. (INV1-); Inventor 2 - Alcatel-Lucent USA Inc. (INV2-); Inventor 3 - Alcatel-Lucent USA Inc. (INV3-)	Alcatel-Lucent USA Inc.
US	Pending	14/133025			Method And Apparatus For Coordinated Uplink Scheduling	12/18/2013		Alcatel-Lucent USA Inc.
US	Granted	12/630210	20110135077A1	8515040	Geospatial Telephony System	12/3/2009	Alcatel-Lucent USA Inc.	Alcatel-Lucent USA Inc.

RECORDED: 02/07/2014
RECORDED: 08/28/2014

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REEL: 032176 FRAME: 0879
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REEL: 033654 FRAME: 0491