

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5792573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
SYNCHRONOSS TECHNOLOGIES, INC.	10/04/2019

RECEIVING PARTY DATA

Name:	CITIZENS BANK, N.A., AS ADMINISTRATIVE AGENT
Street Address:	28 STATE STREET
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02109

PROPERTY NUMBERS Total: 84

Property Type	Number
Patent Number:	7305233
Patent Number:	7434162
Patent Number:	7499888
Patent Number:	7505762
Patent Number:	7587446
Patent Number:	7634509
Patent Number:	7643824
Patent Number:	7818435
Patent Number:	7895334
Patent Number:	8073954
Patent Number:	8156074
Patent Number:	8181111
Patent Number:	8255006
Patent Number:	8315976
Patent Number:	8356252
Patent Number:	8423989
Patent Number:	8442943
Patent Number:	8611873
Patent Number:	8615566
Patent Number:	8620286

PATENT

Property Type	Number
Patent Number:	8621025
Patent Number:	8645471
Patent Number:	8739246
Patent Number:	8904485
Patent Number:	8943428
Patent Number:	8959604
Patent Number:	6360252
Patent Number:	6671757
Patent Number:	6694336
Patent Number:	6738789
Patent Number:	6757696
Patent Number:	6842695
Patent Number:	6892225
Patent Number:	6925476
Patent Number:	6934767
Patent Number:	6944651
Patent Number:	7003473
Patent Number:	7003668
Patent Number:	7007041
Patent Number:	7035878
Patent Number:	7293074
Patent Number:	7415486
Patent Number:	9026657
Patent Number:	9129127
Patent Number:	9143475
Patent Number:	9160736
Patent Number:	9239775
Patent Number:	9276936
Patent Number:	9361433
Patent Number:	9414203
Patent Number:	9419931
Patent Number:	9424433
Patent Number:	9432439
Patent Number:	9451385
Patent Number:	9467475
Patent Number:	9473533
Patent Number:	9542076
Patent Number:	9565212

Property Type	Number
Patent Number:	9607653
Patent Number:	9609587
Patent Number:	9615221
Patent Number:	9626266
Patent Number:	9661260
Patent Number:	9715516
Patent Number:	9754175
Patent Number:	9860142
Patent Number:	10097470
Patent Number:	10122643
Patent Number:	10146599
Patent Number:	10169397
Patent Number:	9723460
Patent Number:	D763881
Patent Number:	D828850
Application Number:	15253744
Application Number:	15388455
Application Number:	15388474
Application Number:	15388487
Application Number:	15486703
Application Number:	16236988
Application Number:	16454332
Application Number:	16455893
Application Number:	16527130
Application Number:	29660509
Application Number:	16108383

CORRESPONDENCE DATA

Fax Number: (704)503-2622

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.

Phone: 7045032600

Email: msheehan@kslaw.com

Correspondent Name: KING & SPALDING LLP

Address Line 1: 300 S. TRYON ST., STE 1700

Address Line 2: ATTN: MOIRA SHEEHAN

Address Line 4: CHARLOTTE, NORTH CAROLINA 28202

ATTORNEY DOCKET NUMBER: 18588.515058

NAME OF SUBMITTER: MOIRA SHEEHAN

SIGNATURE:	/Maira Sheehan/
DATE SIGNED:	10/29/2019
Total Attachments: 10 source=Synchronoss - Patent Security Agreement (executed)#page1.tif source=Synchronoss - Patent Security Agreement (executed)#page2.tif source=Synchronoss - Patent Security Agreement (executed)#page3.tif source=Synchronoss - Patent Security Agreement (executed)#page4.tif source=Synchronoss - Patent Security Agreement (executed)#page5.tif source=Synchronoss - Patent Security Agreement (executed)#page6.tif source=Synchronoss - Patent Security Agreement (executed)#page7.tif source=Synchronoss - Patent Security Agreement (executed)#page8.tif source=Synchronoss - Patent Security Agreement (executed)#page9.tif source=Synchronoss - Patent Security Agreement (executed)#page10.tif	

PATENT SECURITY AGREEMENT

PATENT SECURITY AGREEMENT, dated as of October 4, 2019 (as amended, restated, supplemented or otherwise modified, this "Agreement"), among SYNCHRONOSS TECHNOLOGIES, INC., a Delaware corporation (the "Borrower"), each Subsidiary party hereto as of the date hereof (collectively, the "Subsidiaries" and together with the Borrower, the "Grantors") and CITIZENS BANK, N.A., as Administrative Agent (in such capacity, the "Administrative Agent").

Reference is made to (a) the Credit Agreement, dated as of October 4, 2019 among the Borrower, the Lenders party thereto and the Administrative Agent (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), and (b) the Pledge and Security Agreement, dated as of October 4, 2019, by and among the Grantors party thereto and the Administrative Agent (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement").

The Lenders have agreed to extend credit to the Borrower subject to the terms and conditions set forth in the Credit Agreement, the Guarantors have guaranteed Secured Obligations and the Grantors have secured their obligations pursuant to the Security Agreement. The obligations of the Lenders to extend such credit are conditioned upon, among other things, the execution and delivery of this Agreement.

Accordingly, the parties hereto agree as follows:

1. Terms. Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement or the Credit Agreement.

2. Grant of Security Interest. As security for the payment or performance, as applicable, in full when due (whether at the stated maturity, by acceleration or otherwise) of the Secured Obligations, each Grantor, pursuant to the Security Agreement, did and hereby does grant to the Administrative Agent (and its successors and assigns), for the ratable benefit of the Secured Parties, a security interest in, all such Grantor's right, title and interest in, to or under any and all of the following assets now owned or at any time hereafter acquired (collectively, the "Patent Collateral"):

(a) all letters patent of the United States of America, all registrations and recordings thereof and all applications for letters patent of the United States of America, including registrations, recordings and pending applications in the United States Patent and Trademark Office, in each case described on Schedule I and all reissues, renewals, continuations and extensions thereof and amendments thereto (the "Patents");

(b) all inventions and improvements described and claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein,

(c) all reissues, continuations, divisions, continuations in part, renewals or extensions thereof and amendments thereto, and the inventions disclosed or claimed therein, and

(d) all income, fees, royalties, damages, claims and payments now or hereafter due and/or payable thereunder and with respect thereto.

3. Security Agreement. The security interests granted to the Administrative Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Administrative Agent pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the Patent Collateral are more fully set forth in the

Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

4. Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or in electronic (e.g., “pdf” or “tif”) format shall be effective as delivery of a manually executed counterpart of this Agreement.

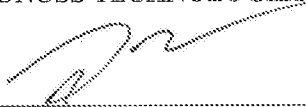
5. Governing Law. This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

[Signature page follows]

IN WITNESS WHEREOF, the parties hereto have duly executed this Patent Security Agreement as of the day and year first above written.

SYNCHRONOSS TECHNOLOGIES, INC.

By:


Name: David Clark
Title: Chief Financial Officer

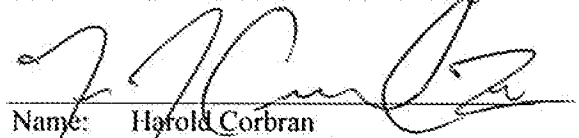
[Signature Page to Patent Security Agreement]

PATENT
REEL: 050854 FRAME: 0919

IN WITNESS WHEREOF, the parties hereto have duly executed this Patent Security Agreement as of the day and year first above written.

CITIZENS BANK, N.A., as Administrative Agent

By:


Name: Harold Corbran
Title: Senior Vice President

[Signature Page to Patent Security Agreement]

PATENT
REEL: 050854 FRAME: 0920

SCHEDULE I

PATENTS

<u>Description</u>	<u>Status</u>	<u>Owner</u>	<u>App. No.</u>	<u>App. Date</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
METHOD AND APPARATUS FOR IMAGE DISTRIBUTION USING A CELLULAR PHONE	G	Synchronoss Technologies, Inc.	11/139,948	5/27/2005	7,305,233	12/4/2007
VISUAL KNOWLEDGE PUBLISHER SYSTEM	G	Synchronoss Technologies, Inc.	10/455,704	6/4/2003	7,434,162	10/7/2008
TRANSACTION AUTHENTICATION SYSTEM AND METHOD	G	Synchronoss Technologies, Inc.	09/811,353	3/16/2001	7,499,888	3/3/2009
WIRELESS TELEPHONE DATA BACKUP SYSTEM	G	Synchronoss Technologies, Inc.	10/789,816	2/27/2004	7,505,762	3/17/2009
ACQUISITION AND SYNCHRONIZATION OF DIGITAL MEDIA TO A PERSONAL INFORMATION SPACE	G	Synchronoss Technologies, Inc.	09/710,162	11/10/2000	7,587,446	9/8/2009
PERSONAL INFORMATION SPACE MANAGEMENT SYSTEM AND METHOD	G	Synchronoss Technologies, Inc.	10/704,443	11/7/2003	7,634,509	15/15/2009
WIRELESS TELEPHONE DATA BACKUP SYSTEM	G	Synchronoss Technologies, Inc.	12/151,440	5/6/2008	7,643,824	1/5/2010
REVERSE PROXY MECHANISM FOR RETRIEVING ELECTRONIC CONTENT ASSOCIATED WITH A LOCAL NETWORK	G	Synchronoss Technologies, Inc.	09/738,013	12/14/2000	7,818,435	1/19/2010
REMOTE ACCESS COMMUNICATION ARCHITECTURE APPARATUS AND METHOD	G	Synchronoss Technologies, Inc.	09/618,956	7/19/2000	7,895,334	2/22/2011
METHOD AND APPARATUS FOR A SECURE REMOTE ACCESS SYSTEM	G	Synchronoss Technologies, Inc.	09/618,954	7/19/2000	8,073,954	12/6/2011
DATA TRANSFER AND SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	09/491,675	1/26/2000	8,156,074	4/10/2012
SYSTEM AND METHOD FOR PROVIDING SOCIAL CONTEXT TO DIGITAL ACTIVITY	G	Synchronoss Technologies, Inc.	12/319,162	12/31/2008	8,181,111	5/15/2012
EVENT DEPENDENT NOTIFICATION SYSTEM AND METHOD	G	Synchronoss Technologies, Inc.	12/615,644	11/10/2009	8,255,006	8/28/2012
DATA TRANSFER AND SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	12/037,609	2/26/2008	8,315,976	11/20/2012
SYSTEM AND METHOD FOR PROVIDING A COMPUTER DISPLAY FORM LAYOUT	G	Synchronoss Technologies, Inc.	12/552,363	9/2/2009	8,356,252	1/15/2013

<u>Description</u>	<u>Status</u>	<u>Owner</u>	<u>App. No.</u>	<u>App. Date</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
SOFTWARE PARAMETER MANAGEMENT	G	Synchronoss Technologies, Inc.	12/114,153	5/2/2008	8,423,989	4/16/2013
DATA TRANSFER AND SYNCHRONIZATION BETWEEN MOBILE SYSTEMS USING CHANGE LOG	G	Synchronoss Technologies, Inc.	12/228,978	8/18/2008	8,442,943	5/14/2013
ADVANCED CONTACT IDENTIFICATION SYSTEM	G	Synchronoss Technologies, Inc.	11/128,121	5/12/2005	8,611,873	12/14/2013
APPARATUS AND METHOD FOR OPERATIONAL SUPPORT OF REMOTE NETWORK SYSTEMS	G	Synchronoss Technologies, Inc.	09/822,810	3/23/2001	8,615,566	12/24/2013
METHOD AND SYSTEM FOR PROMOTING AND TRANSFERRING LICENSED CONTENT AND APPLICATIONS	G	Synchronoss Technologies, Inc.	12/286,040	9/26/2008	8,620,286	12/31/2013
MOBILE DATA TRANSFER AND SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	13/007,070	1/14/2011	8,621,025	12/31/2013
DEVICE MESSAGE MANAGEMENT SYSTEM	G	Synchronoss Technologies, Inc.	10/895,617	7/21/2004	8,645,471	2/4/2014
SYSTEM AND METHOD FOR INTERMEDIATING BETWEEN SUBSCRIBER DEVICES AND COMMUNICATION SERVICE PROVIDERS	G	Synchronoss Technologies, Inc.	12/758,138	4/12/2010	8,739,246	5/27/2014
SYSTEM AND METHOD FOR INTERMEDIATING BETWEEN SUBSCRIBER DEVICES AND COMMUNICATION SERVICE PROVIDERS	G	Synchronoss Technologies, Inc.	14/253,207	4/15/2014	8,904,485	12/2/2014
SYSTEM FOR AND METHOD OF FIELD MAPPING	G	Synchronoss Technologies, Inc.	12/917,342	11/1/2010	8,943,428	1/27/2015
SYSTEM AND METHOD OF VERIFYING A NUMBER OF A MOBILE TERMINAL	G	Synchronoss Technologies, Inc.	13/304,562	11/25/2011	8,959,604	2/17/2015
MANAGING THE TRANSFER OF E-MAIL ATTACHMENTS TO RENDERING DEVICES OTHER AN ORIGINAL E-MAIL RECIPIENT	G	Synchronoss Technologies, Inc.	09/652,761	8/31/2000	6,360,252	3/19/2002
DATA TRANSFER AND SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	09/491,694	1/26/2000	6,671,757	12/30/2003
DATA TRANSFER AND SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	09/490,550	1/25/2000	6,694,336	2/17/2004
DATA PACKAGE INCLUDING SYNCHRONIZATION DATA	G	Synchronoss Technologies, Inc.	09/753,644	1/2/2001	6,738,789	5/18/2004

<u>Description</u>	<u>Status</u>	<u>Owner</u>	<u>App. No.</u>	<u>App. Date</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
MANAGEMENT SERVER FOR SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	09/753,536	1/2/2001	6,757,696	6/29/2004
MAPPING AND ADDRESSING SYSTEM FOR A SECURE REMOTE ACCESS SYSTEM	G	Synchronoss Technologies, Inc.	09/837,619	4/17/2001	6,842,695	1/11/2005
AGENT SYSTEM FOR A SECURE REMOTE ACCESS SYSTEM	G	Synchronoss Technologies, Inc.	09/618,955	7/19/2000	6,892,225	5/10/2005
UPDATING APPLICATION DATA INCLUDING ADDING FIRST CHANGE LOG TO AGGREGATE CHANGE LOG COMPRISING SUMMARY OF CHANGES	G	Synchronoss Technologies, Inc.	09/642,615	8/17/2000	6,925,476	8/2/2005
AUTOMATICALLY EXPANDING ABBREVIATED CHARACTER SUBSTRINGS	G	Synchronoss Technologies, Inc.	09/664,875	9/19/2000	6,934,767	8/23/2005
SINGLE CLICK SYNCHRONIZATION OF DATA FROM A PUBLIC INFORMATION STORE TO A PRIVATE INFORMATION STORE	G	Synchronoss Technologies, Inc.	09/860,903	5/17/2001	6,944,651	9/13/2005
FULLY INTEGRATED SERVICE MANAGER WITH AUTOMATIC FLOW-THROUGH INTERCONNECTION	G	Synchronoss Technologies, Inc.	09/748,837	12/27/2000	7,003,473	2/21/2006
SYNCHRONIZATION SYSTEM APPLICATION OBJECT INTERFACE	G	Synchronoss Technologies, Inc.	10/003,693	11/2/2001	7,003,668	2/21/2006
SYNCHRONIZATION SYSTEM APPLICATION OBJECT INTERFACE	G	Synchronoss Technologies, Inc.	09/753,643	1/2/2001	7,007,041	2/28/2006
BASE ROLLING ENGINE FOR DATA TRANSFER AND SYNCHRONIZATION SYSTEM	G	Synchronoss Technologies, Inc.	09/641,028	8/17/2000	7,035,878	4/25/2006
PERFORMING SERVER ACTIONS USING TEMPLATE WITH FIELD THAT CAN BE COMPLETED WITHOUT OBTAINING INFORMATION FROM A USER	G	Synchronoss Technologies, Inc.	09/665,315	9/19/2000	7,293,074	11/6/2007
A SYSTEM USING CHANGE LOG STORED AT A SERVER TO IDENTIFY CHANGES TO USER'S APPLICATION DATA FOR SYNCHRONIZING DATA BETWEEN SYSTEMS	G	Synchronoss Technologies, Inc.	10/659,646	9/10/2003	7,415,486	8/19/2008
METHOD AND SYSTEM FOR PROVISIONING TELECOMMUNICATION SERVICES AND EQUIPMENT USING SEQUENTIAL OR PARALLEL PROCESSING	G	Synchronoss Technologies, Inc.	12/959,608	12/3/2010	9,026,657	5/5/2015

<u>Description</u>	<u>Status</u>	<u>Owner</u>	<u>App. No.</u>	<u>App. Date</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
SECURE MOBILE INTERFACE ACCESS SYSTEM	G	Synchronoss Technologies, Inc.	13/356,040	1/23/2012	9,129,127	9/8/2015
UNIFIED MESSAGING PROXY, A SYSTEM AND A METHOD THEREOF	G	Synchronoss Technologies, Inc.	13/753,394	1/29/2013	9,143,475	9/22/2015
SYSTEM AND METHOD OF VERIFYING A NUMBER OF A MOBILE TERMINAL	G	Synchronoss Technologies, Inc.	14/586,585	12/30/2014	9,160,736	10/13/2015
COORDINATED TESTING	G	Synchronoss Technologies, Inc.	13/549,290	7/13/2012	9,239,775	1/19/2016
TETHERING ENFORCEMENT DEVICE CONTROLLER AND METHODS THEREOF	G	Synchronoss Technologies, Inc.	13/753,405	1/29/2013	9,276,936	3/1/2016
ENTERPRISE LEASING LICENSE ALGORITHM	G	Synchronoss Technologies, Inc.	13/566,870	8/3/2012	9,361,433	6/7/2016
DEVICE USAGE CONTROLLER AND METHODS THEREOF	G	Synchronoss Technologies, Inc.	14/207,010	3/12/2014	9,414,203	8/9/2016
METHOD OF ALERTING A USER OF IMPORTANT EVENTS FROM A PLURALITY OF SOURCES AND A SYSTEM THEREOF	G	Synchronoss Technologies, Inc.	14/216,903	3/17/2014	9,419,931	8/16/2016
DATA STORAGE MANAGEMENT	G	Synchronoss Technologies, Inc.	13/371,633	2/13/2012	9,424,433	8/23/2016
SYSTEM FOR AND METHOD OF BACKING UP CONTENT FOR USE ON A MOBILE DEVICE	G	Synchronoss Technologies, Inc.	13/479,216	5/23/2012	9,432,439	8/30/2016
APPARATUS FOR TRANSFERRING ADVERTISING CONTENT TO A MOBILE TELEPHONE	G	Synchronoss Technologies, Inc.	14/809,585	7/27/2015	9,451,385	9/20/2016
SECURE MOBILE FRAMEWORK	G	Synchronoss Technologies, Inc.	14/267,346	5/1/2014	9,467,475	10/11/2016
SECURE MOBILE FRAMEWORK	G	Synchronoss Technologies, Inc.	14/267,399	5/1/2014	9,473,533	10/18/2016
SYSTEM FOR AND METHOD OF UPDATING A PERSONAL PROFILE	G	Synchronoss Technologies, Inc.	14/049,055	10/8/2013	9,542,076	1/10/2017
SECURE MOBILE FRAMEWORK	G	Synchronoss Technologies, Inc.	13/854,837	4/1/2013	9,565,212	2/7/2017
APPARATUS, SYSTEM AND METHOD OF AUTHOMATICALLY CREATING AN AGE PROGRESSION VIDEO	G	Synchronoss Technologies, Inc.	14/855,038	9/15/2015	9,607,653	3/28/2017
SYSTEM AND METHOD FOR HOST AND OS AGNOSTIC MANAGEMENT OF CONNECTED DEVICES	G	Synchronoss Technologies, Inc.	13/362,611	1/31/2012	9,609,587	3/28/2017

<u>Description</u>	<u>Status</u>	<u>Owner</u>	<u>App. No.</u>	<u>App. Date</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
THROUGH NETWORK CONTROLLED STATE ALTERATION						
DEVICE MESSAGE MANAGEMENT SYSTEM	G	Synchronoss Technologies, Inc.	14/044,829	10/2/2013	9,615,221	4/4/2017
ERROR SIMULATOR FOR A TEST PLATFORM	G	Synchronoss Technologies, Inc.	14/671,469	3/27/2015	9,626,266	4/18/2017
PHOTOGRAPH OR VIDEO TAGGING BASED ON PEERED DEVICES	G	Synchronoss Technologies, Inc.	14/170,904	2/3/2014	9,661,260	5/23/2017
EDITION-BASED REDEFINITION FOR TABLES	G	Synchronoss Technologies, Inc.	14/084,356	11/19/2013	9,715,516	7/25/2017
ACQUIRING IDENTITY SIGNATURES FROM BIOLOGICAL STRUCTURES	G	Synchronoss Technologies, Inc.	14/155,478	1/15/2014	9,754,175	9/5/2017
APPARATUS, SYSTEM AND METHOD OF DATA COLLECTION AFTER SOFTWARE REMOVAL	G	Synchronoss Technologies, Inc.	14/734,985	6/9/2015	9,860,142	1/2/2018
NETWORK ANALYSIS INCLUDING GUARANTEEING CONSISTENT FLOW BY DYNAMICALLY SMOOTHING TRAFFIC BURSTS, ISOLATING NON-OPTIMALLY PERFORMING EXTERNAL SYSTEMS FROM MULTI-TENANT/SHARED SERVICES AND IMPLEMENTING DOWNSTREAM AWARE TRANSACTIONAL WORKFLOWS	G	Synchronoss Technologies, Inc.	15/000,961	1/19/2016	10,097,470	10/9/2018
SYSTEMS AND METHODS FOR REORGANIZATION OF MESSAGES IN QUEUING SYSTEMS	G	Synchronoss Technologies, Inc.	15/207,867	7/12/2016	10,122,643	11/6/2018
SYSTEM AND METHOD FOR A GENERIC ACTOR SYSTEM CONTAINER APPLICATION	G	Synchronoss Technologies, Inc.	15/370,768	12/6/2016	10,146,599	12/4/2018
SYSTEMS AND METHODS FOR REMOTE CORRECTION OF INVALID CONTACT FILE SYNTAX	G	Synchronoss Technologies, Inc.	15/157,536	5/18/2016	10,169,397	1/1/2019
DEVICE MESSAGE MANAGEMENT SYSTEM	G	Synchronoss Technologies, Inc.	14/044,801	10/2/2013	9,723,460	8/1/2017
DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	G	Synchronoss Technologies, Inc.	29/473,503	11/22/2013	D763,881	8/16/2016
DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	G	Synchronoss Technologies, Inc.	29/574,196	8/12/2016	D828,850	9/18/2018
SYSTEMS AND METHODS FOR AN OPEN SYSTEM INTERNET OF THINGS DATA HUB	P	Synchronoss Technologies, Inc.	15/253,744	8/31/2016		

<u>Description</u>	<u>Status</u>	<u>Owner</u>	<u>App. No.</u>	<u>App. Date</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
METHOD AND APPARATUS FOR SMART ALBUM GENERATION	P	Synchronoss Technologies, Inc.	15/388,455	12/22/2016		
METHOD AND APPARATUS FOR JUST-IN-TIME TRANSCODIN	P	Synchronoss Technologies, Inc.	15/388,474	12/22/2016		
SYSTEM AND METHOD FOR A DISTRIBUTED REPLICATION LOCK FOR ACTIVE-ACTIVE GEO-REDUNDANT SYSTEMS	P	Synchronoss Technologies, Inc.	15/388,487	12/22/2016		
SYSTEMS AND METHODS FOR SECURELY PROVISIONING HYPERTEXT TRANSFER PROTOCOL SECURE (HTTPS) PINS TO A MOBILE CLIENT	P	Synchronoss Technologies, Inc.	15/486,703	4/13/2017		
SYSTEM AND METHOD FOR CUSTOMIZING A CALLER'S MUSIC-ON-HOLD EXPERIENCE BASED ON PERSONAL PREFERENCES	P	Synchronoss Technologies, Inc.	16/236,988	12/31/2018		
METHOD AND SYSTEM FOR BLOCKCHAIN TRUST MANAGEMENT TO AVOID ONLINE FRAUD	P	Synchronoss Technologies, Inc.	16/454,332	6/27/2019		
METHOD AND SYSTEM FOR OPTIMIZED ONLINE PRESENCE TRACKING	P	Synchronoss Technologies, Inc.	16/455,893	6/28/2019		
METHOD AND SYSTEM FOR A RECOMMENDATION ENGINE UTILIZING PROGRESSIVE LABELING AND USER CONTENT ENRICHMENT	P	Synchronoss Technologies, Inc.	16/527,130	7/31/2019		
DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	P	Synchronoss Technologies, Inc.	29/660,509	8/21/2018		
SYSTEM AND METHOD FOR PROOF-OF-WORK BASED ON HASH MINING FOR REDUCING SPAM ATTACKS	P	Synchronoss Technologies, Inc.	16/108,383	8/22/2018		