

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6807073

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
BANK OF AMERICA, N.A.		07/09/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	VIVINT, INC.	
<b>Street Address:</b>	4931 NORTH 300 WEST	
<b>City:</b>	PROVO	
<b>State/Country:</b>	UTAH	
<b>Postal Code:</b>	84604	
<b>PROPERTY NUMBERS Total: 197</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	15858126	
Application Number:	16031905	
Application Number:	15964606	
Application Number:	15934202	
Application Number:	15847014	
Application Number:	14298624	
Application Number:	15905297	
Application Number:	15888985	
Application Number:	15730501	
Application Number:	15959205	
Application Number:	15587221	
Application Number:	15587249	
Application Number:	15885422	
Application Number:	15847222	
Application Number:	15957538	
Application Number:	15375116	
Application Number:	14885030	
Application Number:	15469881	
Application Number:	15593475	
Application Number:	15688620	

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Property Type	Number
Application Number:	14887768
Application Number:	16013759
Application Number:	15097474
Application Number:	14961658
Application Number:	15964797
Application Number:	14938480
Application Number:	15489134
Application Number:	16013661
Application Number:	15233102
Application Number:	15852244
Application Number:	14924579
Application Number:	15852426
Application Number:	15601125
Application Number:	15645773
Application Number:	15594922
Application Number:	15489274
Application Number:	14924501
Application Number:	15925242
Application Number:	15002510
Application Number:	15047805
Application Number:	15091326
Application Number:	15952577
Application Number:	15215095
Application Number:	15160979
Application Number:	15371004
Application Number:	15644440
Application Number:	62449564
Application Number:	15877180
Application Number:	15408078
Application Number:	15432186
Application Number:	15099762
Application Number:	15215221
Application Number:	15216534
Application Number:	15905487
Application Number:	15583771
Application Number:	15819961
Application Number:	15040643
Application Number:	29565884

Property Type	Number
Application Number:	15215562
Application Number:	15358995
Application Number:	15430506
Application Number:	16027168
Application Number:	15443487
Application Number:	15425378
Application Number:	15846689
Application Number:	15390485
Application Number:	15899154
Application Number:	15483906
Application Number:	14989595
Application Number:	15277661
Application Number:	14961402
Application Number:	15952722
Application Number:	15148188
Application Number:	29554120
Application Number:	29554114
Application Number:	15098576
Application Number:	15676697
Application Number:	15284159
Application Number:	15671106
Application Number:	15954975
Application Number:	15656754
Application Number:	15707784
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Application Number:	15656672
Application Number:	16031937
Application Number:	15344973
Application Number:	29496624
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Application Number:	15097168
Application Number:	15889020
Application Number:	15940474
Application Number:	15233035

Property Type	Number
Application Number:	15489052
Application Number:	15863837
Application Number:	15419222
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Application Number:	15889189
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Application Number:	15050051
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Application Number:	14986059

Property Type	Number
Application Number:	15632337
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Application Number:	15655755
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Application Number:	15957260
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Application Number:	15393259
Application Number:	15343180
Application Number:	15940205
Application Number:	15591345
Application Number:	15854188
Application Number:	15258473
Application Number:	15424232
Application Number:	15591009
Application Number:	15603804
Application Number:	29617221
Application Number:	15634624
Application Number:	15590919
Application Number:	15591953
Application Number:	15667446
Application Number:	15632319
Application Number:	15590698
Application Number:	15654528
Application Number:	15654548
Application Number:	15640586
Application Number:	15640598
Application Number:	15818545
Application Number:	15670549

Property Type	Number
Application Number:	15694831
Application Number:	15884380
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Application Number:	15885320
Application Number:	15728093
Application Number:	15728173
Application Number:	15728218
Application Number:	15728292
Application Number:	15785728
Application Number:	15785781
Application Number:	15786075
Application Number:	15848482
Application Number:	15848866
Application Number:	15794888
Application Number:	15795419
Application Number:	15820092
Application Number:	15820049
Application Number:	15820728
Application Number:	29632071
Application Number:	62614245
Application Number:	62614260
Application Number:	29632220
Application Number:	15339197
Application Number:	15339228
Application Number:	15405095

#### **CORRESPONDENCE DATA**

**Fax Number:** (800)914-4240

*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:** 800-713-0755

**Email:** Michael.Violet@wolterskluwer.com, ECarrera@cahill.com

**Correspondent Name:** CT CORPORATION

**Address Line 1:** 4400 EASTON COMMONS WAY

**Address Line 2:** SUITE 125

**Address Line 4:** COLUMBUS, OHIO 43219

<b>NAME OF SUBMITTER:</b>	ELAINE CARRERA
<b>SIGNATURE:</b>	/Elaine Carrera/
<b>DATE SIGNED:</b>	07/12/2021

**Total Attachments: 10**

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RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Bank of America, N.A.

**2. Name and address of receiving party(ies)**

Name: Vivint, Inc.

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) July 9, 2021

☐ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☒ Other Release of Security Interest

Street Address: 4931 North 300 West

City: Provo

State: UT

Country: USA Zip: 84604

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

See Schedule A

See Schedule A

Additional numbers attached? ☒ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Elaine Carrera, Senior Paralegal

Internal Address: \_\_\_\_\_

Street Address: c/o Cahill Gordon & Reindel LLP,  
32 Old Slip

City: New York

State: NY Zip: 10005

Phone Number: (212) 701-3365

Docket Number: \_\_\_\_\_

Email Address: ecarrera@cahill.com

**6. Total number of applications and patents involved:** 197

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

☐ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized UserName \_\_\_\_\_

**9. Signature:**

Elaine Carrera

Signature

July 12, 2021

Date

Elaine Carrera

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

10

Documents to be recorded (including cover sheet) should be faxed to (571) 273-8146, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



## RELEASE OF SECURITY INTEREST IN PATENTS

This RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of July 9, 2021 (the “Effective Date”), is made by Bank of America, N.A., in its capacity as administrative agent (the “Agent”), in favor of the grantor party identified on the signature page hereto (the “Grantor”).

WHEREAS, pursuant to that certain Security Agreement, dated as of November 16, 2012, by and among the Agent, the Grantor and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Security Agreement”), the Grantor granted to the Agent, in its capacity as Agent, a security interest in and to certain collateral;

WHEREAS, pursuant to the Security Agreement, the Grantor executed and delivered Supplement No. 2 to Patent Security Agreement, dated as of September 6, 2018 (the “Patent Security Agreement Supplement”), for recordal with the United States Patent and Trademark Office;

WHEREAS, the Patent Security Agreement Supplement was recorded with the United States Patent and Trademark Office on September 6, 2018 at Reel/Frame 047024/0048;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Security Agreement or the Patent Security Agreement Supplement, as applicable.
2. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interest in and to the Patent Collateral, including the patents and patent applications set forth Schedule A attached hereto, arising under the Security Agreement and the Patent Security Agreement Supplement. If and to the extent that the Agent has acquired any right, title or interest in and to the Patent Collateral under the Patent Security Agreement Supplement, the Agent, without representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the Grantor.
3. Termination. The Agent, without representation or warranty of any kind, terminates and cancels the Patent Security Agreement Supplement.
4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantor and its successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantor, at the Grantor’s sole cost and expense, to more fully and effectively effectuate the purposes of this Release.
5. Governing Law. This Release shall be governed exclusively under the laws of New York, without regard to conflicts of law or choice of law principles.

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

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

By: Ronaldo Naval

Name: Ronaldo Naval

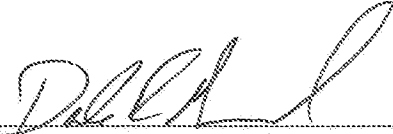
Title: Vice President

[Signature Page to Release of Security Interest in Patents]

GRANTOR:

VIVINT, INC., as Grantor

By:

A handwritten signature in dark ink, appearing to read 'Dale R. Gerard', written over a horizontal dotted line.

Name: Dale R. Gerard

Title: Chief Financial Officer

[Signature Page to Release of Security Interest in Patents]

**SCHEDULE A**

**Patents**

**Release of Patent Security Agreement recorded September 6, 2018 at Reel/Frame  
047024/0048**

<b>Patent Title</b>	<b>Country</b>	<b>Application No.</b>	<b>Filing Date</b>
Set Top Box Automation	US	15/858,126	12/29/2017
Systems And Methods For Home Automation Scene Control	US	16/031,905	7/10/2018
Energy Management	US	15/964,606	4/27/2018
Voice Control Using Multi-Media Rooms	US	15/934,202	3/23/2018
Home Automation via Voice Control	US	15/847,014	12/19/2017
Crowdsourcing Automation Rules	US	14/298,624	6/6/2014
Controlling Parameters in a Building	US	15/905,297	2/26/2018
Sprinkler Control Systems and Methods	US	15/888,985	2/5/2018
Facial Recognition Techniques	US	15/730,501	10/11/2017
Systems and Methods for Operating Remote Presence Security	US	15/959,205	4/21/2018
Camera Stitching for Secure Delivery of Packages	US	15/587,221	5/4/2017
Partnership Integration for Secure Delivery of Packages	US	15/587,249	5/4/2017
Techniques for Securing a Dropspot	US	15/885,422	1/31/2018
One-Time Access to an Automation System	US	15/847,222	12/19/2017
Smart HVAC	US	15/957,538	4/19/2018
Refuse removal reminders	US	15/375,116	12/11/2016
Adjustable Movement Detection Doorbell	US	14/885,030	10/16/2015
System and Methods for Centrally-Assisted Distributed Hash Table	US	15/469,881	3/27/2017
Smart Home Robot Assistant for Secure Package Delivery	US	15/593,475	05/12/2017
Package Delivery Techniques	US	15/688,620	8/28/2017
Secure Unlock of a Device	US	14/887,768	10/20/2015
Smart Water Heater	US	16/013,759	6/20/2018
Occupancy Detection by Social Media	US	15/097,474 (U.S. 9,990,832)	4/13/2016
Alarm Clock-Triggered Systems	US	14/961,658 (U.S. 9,958,180)	12/7/2015
Alarm Clock-Triggered Systems	US	15/964,797	4/27/2018
Automated Image Album	US	14/938,480	11/11/2015
Smart Door Lock Systems	US	15/489,134 (U.S. 10,008,054)	4/17/2017
Smart Door Lock Systems	US	16/013,661	6/20/2018
Active Power Management	US	15/233,102 (U.S. 9,859,741)	08/10/2016 (01/02/2018)
Active Power Management	US	15/852,244	12/22/2017
Anti-Theft Doorbell Camera	US	14/924,579	10/27/2015
Smart Bedtime	US	15/852,426	12/22/2017
Smart Vacation	US	15/601,125 (U.S. 10,033,543)	5/22/2017
Smart Stay Day	US	15/645,773	7/10/2017
Smart Wake	US	15/594,922 (U.S. 10,037,666)	5/15/2017

Patent Title	Country	Application No.	Filing Date
Home Automation Communication System	US	15/489,274	4/17/2017
Method and System for Managing an Irrigation Schedule	US	14/924,501	10/27/2015
Vehicle Integration with Security and/or Automation Systems	US	15/925,242	3/19/2018
Image based HVAC	US	15/002,510	1/21/2016
Identity-Based Environment Adjusting Techniques	US	15/047,805 (U.S. 9,807,851)	2/19/2016 (10/31/2017)
Identification Graph Theory	US	15/091,326 (U.S. 9,948,479)	4/5/2016
Identification Graph Theory	US	15/952,577	4/13/2018
Efficient Management of Indoor Conditions	US	15/215,095	7/20/2016
Networked Security Cameras and Automation	US	15/160,979 (U.S. 9,870,694)	5/20/2016 (01/16/2018)
Street Watch	US	15/371,004	12/06/2016
Drone Enabled Street Watch	US	15/644,440	7/7/2017
Automated Door Lock	US	62/449,564	01/23/2017
Automated Door Lock	US	15/877,180	1/22/2018
HVAC Ventilation Air Flow Powered Smart Vent Register with Smart Home Sensors	US	15/408,078	1/17/2017
Door Sensor	US	15/432,186	2/14/2017
Reducing Bandwidth via Voice Detection	US	15/099,762	4/15/2016
Communications Protocol	US	15/215,221	7/20/2016
Panel Control over Broadband	US	15/216,534	07/21/2016
Anti-Takeover Systems and Methods for Network Attached Peripherals	US	15/905,487	2/26/2018
Voice Control Component Installation	US	15/583,771	5/1/2017
Page-Based Metadata System for Distributed File System	US	15/819,961	11/21/2017
Projecting Terminal Power Supply	US	15/040,643	2/10/2016
Element Thermostat	US	29/565,884 (U.S. D802,450)	5/25/2016 (11/14/2017)
Integrated System Component and Electronic Device	US	15/215,562	7/20/2016
Distributed Network Storage Device	US	15/358,995	11/22/2016
Home Security System With Touch-Sensitive Control Panel	US	15/430,506	2/12/2017
Monitoring Removal of an Automation Control Panel	US	16/027,168	7/3/2018
Using a Control Panel as a Wireless Access Point	US	15/443,487 (U.S. 10,050,802)	2/27/2017
Using Hard Drive on Panels for Data Storage	US	15/425,378 (U.S. 9,851,924)	2/6/2017 (12/26/2017)
Using Hard Drive on Panels for Data Storage	US	15/846,689	12/19/2017
Keypad Projection	US	15/390,485 (U.S. 9,898,919)	12/24/2016
Keypad Projection	US	15/899,154	2/19/2018
Home Automation Communication System	US	15/483,906	4/10/2017
Home Automation System Initiated Call	US	14/989,595	1/6/2016
Home Automation System-Initiated Calls	US	15/277,661	09/27/2016
System and Methods for Providing Remote Irrigation System Operation	US	14/961,402 (U.S. 9,943,047)	14/961,402
System and Methods for Providing Remote Irrigation System Operation	US	15/952,722	4/13/2018

Patent Title	Country	Application No.	Filing Date
White or Off-White Hidden Display Apparatus, System, and Method	US	15/148,188	5/6/2016
Control Panel (Skyhub)	US	29/554,120 (U.S. D784,270)	2/8/2016 (4/18/2017)
Control Panel (Glance)	US	29/554,114 (U.S. D784,269)	2/8/2016 (4/18/2017)
Correlating Resource Usage Data to a Waste Scoring System	US	15/098,576	4/14/2016
Systems and Methods for Measuring Calorie Intake	US	15/676,697	8/14/2017
Security System with Traffic Monitoring	US	15/284,159	10/3/2016
Chronological Activity Monitoring And Review	US	15/671,106 (U.S. 9,972,181)	8/7/2017
Chronological Activity Monitoring And Review	US	15/954,975	4/17/2018
Child Monitoring Bracelet/Anklet	US	15/656,754	7/21/2017
Weather Based Notification Systems and Methods for Home Automation	US	15/707,784	09/18/2017
Remote Talk Down to Panel, Camera and Speaker	US	15/627,075	6/19/2017
User Management Methods and Systems	US	14/607,943	1/28/2015
Door to Door Sales Management Tool	US	15/638,154	6/29/2017
Managing Audio Output Through an Intermediary	US	15/612,036	6/2/2017
Camera With A Lens Connector	US	15/656,672	7/21/2017
Verifying Occupancy Of a Building	US	16/031,937	7/10/2018
Active Infrared Sensor	US	15/344,973	11/07/2016
Doorbell Camera	US	29/496,624 (U.S. D788,834)	7/15/2014 (06/06/2017)
Smart Pill Box and Medical Compliance Monitoring	US	15/468,086 (U.S. 10,022,305)	3/23/2017
Proximity Based Security Monitoring	US	14/885,522	10/16/2015
Water Leak Detection	US	15/097,168	4/12/2016
Techniques for Identifying and Indexing Distinguishing Features in a Video Feed	US	15/889,020	2/5/2018
Methods and Systems for Automatically Monitoring User Activity	US	15/940,474	3/29/2018
Sonic Sensing	US	15/233,035	08/10/2016
Enhanced Doorbell Camera Interactions	US	15/489,052	4/17/2017
Enhanced Doorbell Camera Interactions	US	15/863,837	01/05/2018
Sleep State Monitoring	US	15/419,222	1/30/2017
Client Side Queue Sharding	US	14/885,720	10/16/2015
Occupancy-Targeted Baby Monitoring	US	15/000,839 (U.S. 9,858,789)	1/19/2016 (01/02/2018)
Occupancy-Targeted Baby Monitoring	US	15/852,138	12/22/2017
Monitoring Baby's Physical Characteristics with Video	US	14/961,574 (U.S. 9,931,042)	12/7/2015
Monitoring Baby's Physical Characteristics with Video	US	15/937,374	3/27/2018
Video Composite Techniques	US	14/938,569	11/11/2015
ECHO Family Member Tracking	US	15/094,157 (U.S. 9,801,033)	4/8/2016 (10/24/2017)
Camera	US	29/554,112 (U.S. D810,169)	2/8/2016
Event Based Baby Monitor	US	15/094,691	4/8/2016
Methods and System for Providing an Alarm Trigger Bypass	US	15/215,816	07/21/2016

Patent Title	Country	Application No.	Filing Date
Methods for Prompting a User to use Enhanced Automation System Features, and Systems and Devices Related Thereto	US	15/670,452	8/7/2017
Methods for Providing Notifications for Follow-Up Actions in Response to Events Detected by an Automation System, and Systems and Devices Related Thereto	US	15/819,871	11/21/2017
Dynamic Linking of Security Systems	US	15/449,979	3/5/2017
Security System with Earthquake Detection	US	15/419,345	1/30/2017
Systems and Methods for Personifying Communications	US	15/489,414 (U.S. 10,049,660)	4/17/2017
Event Triggered Messaging	US	15/047,437 (U.S. 9,872,155)	2/18/2016 (01/16/2018)
Event Triggered Messaging	US	15/271,375 (U.S. 10,028,112)	9/21/2016
Techniques to Extend a Doorbell Chime	US	15/064,514 (U.S. 9,836,932)	3/8/2016 (12/05/2017)
Techniques to Extend a Doorbell Chime	US	15/819,996	11/21/2017
Automated script	US	15/258,539	09/07/2016
Premises Security	US	16/042,279	7/23/2018
Anti-Takeover Systems and Methods for Network Attached Peripherals	US	15/355,052 (9,930,041)	11/18/2016 (3/27/2018)
Anti-Takeover Systems and Methods for Network Attached Peripherals	US	15/933,887	3/23/2018
Entity Detection	US	15/589,730	5/8/2017
Redundancy for Back-End Failure	US	15/959,208	4/21/2018
Pushing Video to Panels and Sending Metadata Tag to Cloud	US	15/889,189	02/05/2018
Secure key fob	US	14/885,615	10/16/2015
Mobile Supported Disarming	US	15/050,051 (U.S. 10,026,299)	2/22/2016
Hinge Sensor for Barrier	US	15/595,075	5/15/2017
System And Methods For Correlating Sound Events To Security And/Or Automation System Operations	US	14/918,300 (U.S. 9,679,453)	10/20/2015 (06/13/2017)
System And Methods For Correlating Sound Events To Security And/Or Automation System Operations	US	15/620,616 (U.S. 9,947,190)	6/12/2017
System And Methods For Correlating Sound Events To Security And/Or Automation System Operations	US	15/948,933	4/9/2018
Adaptive Video Playback	US	15/001,935	1/20/2016
Input at indoor camera to determine privacy	US	15/002,538	1/21/2016
Guest Mode Access	US	14/986,059	12/31/2015
Traveling Preferences for Guest Mode Access	US	15/632,337	6/24/2017
Authentication for Keyless Building Entry	US	15/232,720	08/09/2016
False Alarm Reduction	US	15/289,062 (U.S. 9,972,195)	10/07/2016
False Alarm Reduction	US	15/959,207	4/21/2018
Software Updates from a Security System Control Unit	US	15/651,912	7/17/2017
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