

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6807876

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY AGREEMENT SUPPLEMENT NO. 2

**CONVEYING PARTY DATA**

Name	Execution Date
VIVINT, INC.	07/09/2021

**RECEIVING PARTY DATA**

<b>Name:</b>	BANK OF AMERICA, N.A.
<b>Street Address:</b>	ONE INDEPENDENCE CENTER, 101 N TRYON STREET
<b>Internal Address:</b>	MAIL CODE: NC1-001-05-45
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28255-0001

**PROPERTY NUMBERS Total: 74**

Property Type	Number
Application Number:	15888985
Application Number:	16240482
Application Number:	16520368
Application Number:	16573950
Application Number:	16544230
Application Number:	16553062
Application Number:	16792796
Application Number:	15986285
Application Number:	16036787
Application Number:	16050809
Application Number:	16101475
Application Number:	16101498
Application Number:	16120757
Application Number:	16138613
Application Number:	16140341
Application Number:	16200328
Application Number:	16215336
Application Number:	16223103
Application Number:	16231804

PATENT

<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16240693
<b>Application Number:</b>	16247116
<b>Application Number:</b>	16297307
<b>Application Number:</b>	16423914
<b>Application Number:</b>	16423773
<b>Application Number:</b>	16505342
<b>Application Number:</b>	16524434
<b>Application Number:</b>	16539114
<b>Application Number:</b>	16559406
<b>Application Number:</b>	16559438
<b>Application Number:</b>	16581652
<b>Application Number:</b>	15824844
<b>Application Number:</b>	15885320
<b>Application Number:</b>	16013759
<b>Application Number:</b>	16027168
<b>Application Number:</b>	16050423
<b>Application Number:</b>	17038230
<b>Application Number:</b>	17038279
<b>Application Number:</b>	17110189
<b>Application Number:</b>	17038858
<b>Application Number:</b>	17010740
<b>Application Number:</b>	16248447
<b>Application Number:</b>	16362523
<b>Application Number:</b>	16398235
<b>Application Number:</b>	16786339
<b>Application Number:</b>	16398236
<b>Application Number:</b>	16397432
<b>Application Number:</b>	16506605
<b>Application Number:</b>	16543755
<b>Application Number:</b>	16674947
<b>Application Number:</b>	16653325
<b>Application Number:</b>	16660683
<b>Application Number:</b>	17000120
<b>Application Number:</b>	16697112
<b>Application Number:</b>	17182994
<b>Application Number:</b>	17038144
<b>Application Number:</b>	16808006
<b>Application Number:</b>	16828777

Property Type	Number
Application Number:	17122920
Application Number:	17134111
Application Number:	17127552
Application Number:	17214714
Application Number:	17039139
Application Number:	16539065
Application Number:	16564591
Application Number:	16674887
Application Number:	17010715
Application Number:	16736605
Application Number:	16736564
Application Number:	16742494
Application Number:	16732294
Application Number:	16814979
Application Number:	17214409
Application Number:	17153177
Application Number:	16200266

**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.*

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

**Total Attachments: 8**

- source=Vivint - Patent Security Agreement Supplement No. 2 (Vivint, Inc.)#page1.tif
- source=Vivint - Patent Security Agreement Supplement No. 2 (Vivint, Inc.)#page2.tif
- source=Vivint - Patent Security Agreement Supplement No. 2 (Vivint, Inc.)#page3.tif
- source=Vivint - Patent Security Agreement Supplement No. 2 (Vivint, Inc.)#page4.tif
- source=Vivint - Patent Security Agreement Supplement No. 2 (Vivint, Inc.)#page5.tif
- source=Vivint - Patent Security Agreement Supplement No. 2 (Vivint, Inc.)#page6.tif
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**PATENT SECURITY AGREEMENT SUPPLEMENT NO. 2**

THIS PATENT SECURITY AGREEMENT SUPPLEMENT IS SUBJECT TO THE PROVISIONS OF THE INTERCREDITOR AGREEMENT, DATED AS OF NOVEMBER 16, 2012 (AS AMENDED, RESTATED, SUPPLEMENTED OR OTHERWISE MODIFIED FROM TIME TO TIME), AMONG APX GROUP, INC., THE GRANTORS PARTY THERETO, BANK OF AMERICA, N.A., AS CREDIT AGREEMENT COLLATERAL AGENT (AS DEFINED THEREIN), AND WILMINGTON TRUST, NATIONAL ASSOCIATION, AS NOTES COLLATERAL AGENT (AS DEFINED THEREIN), AND EACH ADDITIONAL COLLATERAL AGENT (AS DEFINED THEREIN) FROM TIME TO TIME PARTY THERETO.

**Patent Security Agreement Supplement**, dated as of July 9, 2021, by Vivint, Inc. (the “**Grantor**”), in favor of BANK OF AMERICA, N.A., in its capacity as administrative agent pursuant to the Credit Agreement (in such capacity, the “**Administrative Agent**”) to that certain Patent Security Agreement, dated as of September 6, 2018, by Grantor, in favor of the Administrative Agent.

WITNESSETH:

WHEREAS, the Grantor is party to a Security Agreement, originally dated as of September 6, 2018 (as amended and restated on July 9, 2021, and as further amended, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”) and related Intellectual Property Security Agreements (as defined therein) in favor of the Administrative Agent pursuant to which the Grantor is required to execute and deliver this Patent Security Agreement Supplement;

NOW, THEREFORE, in consideration of the premises and to induce the Administrative Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Grantor hereby agrees with the Administrative Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Grantor hereby pledges and grants to the Administrative Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all the following Collateral (excluding any Excluded Assets) of the Grantor:

- (a) Patents of the Grantor listed on Schedule I attached hereto.

SECTION 3. The Security Agreement. The security interest granted pursuant to this Patent Security Agreement Supplement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Security Agreement and Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement. In the event that any provision of this Patent Security Agreement

Supplement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Administrative Agent shall otherwise determine.

SECTION 4. Termination. Upon the termination of the Security Agreement in accordance with Section 6.11 thereof, the Administrative Agent shall, at the expense of the Grantor, execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form releasing the lien on and security interest in the Patents under this Patent Security Agreement Supplement.

SECTION 5. Counterparts. This Patent Security Agreement Supplement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement Supplement by signing and delivering one or more counterparts.

[Signature pages follow.]

VIVINT, INC.

By:



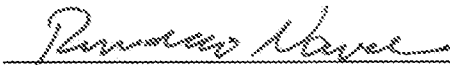
A handwritten signature in black ink, appearing to read 'Dale R. Gerard', is written over a horizontal dotted line.

Name: Dale R. Gerard

Title: Chief Financial Officer

[Patent Security Agreement Supplement]

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

By:   
Name: Ronaldo Naval  
Title: Vice President

[Patent Security Agreement Supplement]

**PATENT**  
**REEL: 057434 FRAME: 0597**

**Schedule I**  
to  
**PATENT SECURITY AGREEMENT SUPPLEMENT**  
**PATENT REGISTRATIONS AND PATENT APPLICATIONS**

<b>Patent Title</b>	<b>Filing Date</b>	<b>Appl. No.</b>	<b>Issue Date</b>	<b>Patent No.</b>
Sprinkler Control Systems and Methods	Feb 5, 2018	15888985		
Signal Cloning	Jan 4, 2019	16240482		
Water Leak Detection	Jul 24, 2019	16520368		
Doorbell Camera Package Detection	Sep 17, 2019	16573950		
Temperature Preference Learning	Aug 19, 2019	16544230		
Correlating Resource Usage Data to a Waste Scoring System	Aug 27, 2019	16553062		
Progressive Profiling in an Automation System	Feb 17, 2020	16792796	Jun 8, 2021	11029655
Real-Time Temperature Management	May 22, 2018	15986285	Sep 15, 2020	10775064
Event Triggered Messaging	Jul 16, 2018	16036787	Oct 1, 2019	10433122
Smart Surveillance Systems	Jul 31, 2018	16050809	Apr 21, 2020	10630943
Systems and Methods for Personifying Communications	Aug 12, 2018	16101475	Jun 1, 2021	11024293
Monitoring Vehicle Usage	Aug 12, 2018	16101498	Jun 1, 2021	11024168
Managing Audio Output Through an Intermediary	Sep 4, 2018	16120757	Nov 19, 2019	10484806
Variable Rate Time-Lapse with Saliency	Sep 21, 2018	16138613	Jan 26, 2021	10902266
Security System with Earthquake Detection	Sep 24, 2018	16140341	Dec 1, 2020	10854064
Powered Faceplate Integration	Nov 26, 2018	16200328	Mar 17, 2020	10591881
Smart Bedtime	Dec 10, 2018	16215336	May 12, 2020	10650656
Setting Up A System With A Mobile Device	Dec 17, 2018	16223103	Feb 11, 2020	10558791
Home Alarm System	Dec 24, 2018	16231804	Mar 10, 2020	10586442
Mobile Vehicle Integration with a Home Automation System	Jan 4, 2019	16240693	Nov 17, 2020	10836348
Security Camera Privacy Shutter	Jan 14, 2019	16247116	Feb 23, 2021	10931922
Floating Thermostat Plate	Mar 8, 2019	16297307	Nov 10, 2020	10830470
Systems and Methods for Smart Home Mapping	May 28, 2019	16423914	Sep 15, 2020	10776528
Adjustable Movement Detection Doorbell	May 28, 2019	16423773	Aug 18, 2020	10750131
User Management Methods and Systems	Jul 8, 2019	16505342	Apr 13, 2021	10979372
Integrated System Component and Electronic Device	Jul 29, 2019	16524434	Dec 29, 2020	10880308
Home Automation System-Initiated Calls	Aug 13, 2019	16539114	Dec 22, 2020	10873728
Sensor for Barrier	Sep 3, 2019	16559406	Aug 18, 2020	10748394
Geo-Location Services	Sep 3, 2019	16559438	Feb 2, 2021	10909833
Saving Video Clips On A Storage Of Limited Size Based On Priority	Sep 24, 2019	16581652	May 4, 2021	10999372



<b>Patent Title</b>	<b>Filing Date</b>	<b>Appl. No.</b>	<b>Issue Date</b>	<b>Patent No.</b>
Outdoor Camera and Neighborhood Watch Techniques	Nov 28, 2017	15824844		
Smart Sensing Techniques	Jan 31, 2018	15885320		
Smart Water Heater	Jun 20, 2018	16013759		
Monitoring Removal of an Automation Control Panel	Jul 3, 2018	16027168		
Software Updates From A Security Control Unit	Jul 31, 2018	16050423		
Device Configured To Classify Events And Identify Occupants	Sep 30, 2020	17038230		
Device Configured To Store Unique Profiles	Sep 30, 2020	17038279		
Management Of A Smart Home Automation Community	Dec 2, 2020	17110189		
Home Automation System Supporting Dual-Authentication	Sep 30, 2020	17038858		
Video Survey	Sep 2, 2020	17010740		
Determining Occupancy with User Provided Information	Jan 15, 2019	16248447		
Panel Control Over Broadband	Mar 22, 2019	16362523		
Techniques for Lead Scoring	Apr 29, 2019	16398235		
Techniques For Lead Information Sharing	Feb 10, 2020	16786339		
Techniques for Configuring a Transaction Funnel	Apr 29, 2019	16398236		
Voice Annunciated Reminders and Alerts	Apr 29, 2019	16397432		
Methods and System for Providing an Alarm Trigger Bypass	Jul 9, 2019	16506605		
Secure Unlock of a Device	Aug 19, 2019	16543755		
Redundancy for Back-End Failure	Nov 5, 2019	16674947		
Dedicated Wireless Network for Security and Automation System	Oct 15, 2019	16653325		
Systems and Methods for Crowdsourcing Detected Events	Oct 22, 2019	16660683		
Smart Monitoring System	Aug 21, 2020	17000120		
Guest Mode Access	Nov 26, 2019	16697112		
Techniques For Intruder Detection	Feb 23, 2021	17182994		
Continuous Active Mode For Security And Automation Systems	Sep 30, 2020	17038144		
Sonic Sensing	Mar 3, 2020	16808006		
Event Based Monitoring of a Person	Mar 24, 2020	16828777		
Deterrence Techniques for Security and Automation Systems	Dec 15, 2020	17122920		
Techniques For A Smart Monitoring System	Dec 24, 2020	17134111		
Techniques For Audio Detection At A Control System	Dec 18, 2020	17127552		
WIFI Routers And Switching	Mar 26, 2021	17214714		
Occupancy Identification For Guiding Delivery Personnel	Sep 30, 2020	17039139		

<b>Patent Title</b>	<b>Filing Date</b>	<b>Appl. No.</b>	<b>Issue Date</b>	<b>Patent No.</b>
Personalized Communications	Aug 13, 2019	16539065		
Digital Zoom Conferencing	Sep 9, 2019	16564591		
Smart Home Robot Assistant	Nov 5, 2019	16674887		
SMART DOORBELL	Sep 2, 2020	17010715		
HVAC Ventilation Air Flow Powered Smart Vent	Jan 7, 2020	16736605		
Content Storage and Processing in Network Base Stations and Methods for Content Delivery in a Mesh Network	Jan 7, 2020	16736564		
Selecting a Level of Autonomy	Jan 14, 2020	16742494		
Street Watch	Dec 31, 2019	16732294		
Enhanced Doorbell Camera Interactions	Mar 10, 2020	16814979		
Door to Door Sales Management Tool	Mar 26, 2021	17214409		
Door to Door Sales Management Tool	Jan 20, 2021	17153177		
Thermostat With Downcast Light	Nov 26, 2018	16200266	Feb 25, 2021	11043087