## Exhibit 1 – ADT Claim Charts





ADT/FrontPoint Ex 1007 Page 2 of 42

an object whose movement is to be detected,	The ADT door and window sensors have two components, the sensor itself and the sensor magnet. The sensor detects when the magnet is moved by monitoring the magnetic field between the two components.
	Wireless Door Sensor
	Triggers the alarm when an equipped door or window is opened. Great on exterior doors and windows that are at ground level, or near trees and
	shrubs. (May come in Brown)
a detector adapted to detect movement of said object and provide an indication of said movement,	The ADT door and window sensors will detect movement of the sensor magnet by monitoring the magnetic field between the sensor and the magnet and trigger when the magnetic field is broken. Sensors
	Door and Window Sensors
	Your door/window sensors can be triggered when doors, windows, mailboxes, wall or medicine cabinets, entertainment centers, liquor cabinets, or closets are opened or closed. The door/window sensor has two components: the sensor itself (the larger piece) and the sensor magnet.
	When a door or window is opened, the magnetic field between these two components is broken, triggering the sensor to communicate with your security panel. Your Summary tab then displays the sensor as open in the Devices section with a yellow circle next to the name of the sensor.
a first transmitter associated with said detector and adapted to wirelessly transmit a	When triggered, the ADT door and window sensors wirelessly transmit an RF signal. The signal includes a specific signature that indicates which sensor is transmitting. The wireless cameras transmit information using wireless LAN.
predetermined signal in response to said	

indication,	
	Step 2. Wireless
	A wireless security system uses radio waves rather than wires or cables to communicate between the control panel, sensors and cameras.
an information gathering device adapted to receive said predetermined signal, to gather information relating to said movement, and to transmit said information, and	The ADT hub receives a signal from the door and window motion sensor when the sensor is triggered. The hub will then send a signal to the camera to capture video or take a picture of the area where the sensor is triggered.
	Wireless Security Cameras
	With an ADT Pulse <sup>®</sup> wireless camera, you can do more than monitor your home security remotely — you can manage your life. For example, while you're at the office, you can unlock your front door to let in the cable repairman. Then lock up again as soon as he leaves.

	Take a Picture When Someone Comes to the Front Door
	If you have a motion sensor and camera at your front door, the system can take a picture whenever someone comes to the door when you are not at home. You can look at the pictures at any time from the Summary tab. The following procedure provides an example of this type of automation.
	Trigger:       Front Door         Event:       Motion         Active:       Always
	Actions: Add actions OK Cancel
a remote notification device adapted to receive said information from said information gathering device, to establish data communication with a remote host, and to provide said information to said remote host.	The iHub connects to a home network router which provides notifications about the system, including that a motion sensor has triggered, to a remote computer, mobile device, and ADT's customer monitoring center.







## The best people

As soon as an alarm signal is received from your home or business to our Customer Monitoring Center, a well-trained, helpful professional will notify you and your local police, fire department or emergency personnel. You can count on ADT to be at the ready 24 hours a day, 365 day a year. Our team of security professionals will always be there to offer protection to you and what you value most.

2. The system of claim 1	The ADT system includes wireless cameras that can be aimed at areas of interest to collect pictures and
wherein said information	video. The wireless cameras can be setup to take a picture or video when a sensor is triggered.
gathering device comprises	
a camera aimed toward said	
object.	
	Wireless Security Cameras
	With an ADT Pulse® wireless camera, you can do
	more than monitor your home security remotely —
	you can manage your life. For example, while you're
	at the office, you can unlock your front door to let in
	the cable repairman. Then lock up again as soon as he leaves.
	Take a Picture When Someone Comes to the Front Door
	If you have a motion sensor and camera at your front door, the system can take a picture whenever someone comes to the door when you are not at home. You can look at the pictures at any time from the Summary tab. The following procedure provides an example of this type of automation.
3. The system of claim 2	The wireless security cameras are digital cameras that can store pictures and video clips in the cloud on
wherein said camera is a	ADT's servers.
digital camera and said	
information gathering	Managing Pictures and Video Clips
device comprises a	Your site stores all the pictures and video clips from each of your cameras for a certain number of days
memory for storing digital	(determined by your system configuration but commonly 30 days).
images generated by said	·
camera.	

	Pod <       4:27 PM         Cameras       Front Door Camera         7718 5:30p       7718 5:15p         7718 5:30p       7718 5:10p         7718 5:30p       7718 5:00p         7714 10:24p       7714 10:24p         7714 10:24p       7714 10:24p         7714 10:24p       7718 10:24p
4. The system of claim 2 wherein said information gathering device comprises a wireless transmitter for wirelessly transmitting said information.	The wireless security cameras transmit video over a wireless LAN in full WEP, WPA, and WPA2 encryption.
5. The system of claim 4 wherein said remote notification device includes a wireless receiver for receiving said information.	The home network router receives the video from the wireless security camera over a WiFi network.
6. The system of claim 5 wherein said remote notification device includes a network interface for communicating said information to a remote network host.	The home network router connects to the internet to deliver the video to a user's computer, mobile device, or the ADT touch screen.

7. The system of claim 6	The home network router connects to the internet through a digital or analog modem.
wherein said network	
interface comprises one of	
an analog modem, a digital	
modem, or a network	
interface card.	
8. The system of claim 5	The home network router connects to the ADT touch screen and to ADT's servers for access through the
wherein said remote	ADT web portal and smartphone app.
notification device	
communicates said	2.51 DM
information to a local	2:51 PM 🗘 🙀
computer to which said	
remote notification device	
is connected.	
	Cameras Lights Thermostats Night Mode Clock News
	Photos Sports Traffic Weather Daily Word Locks
	and a sports munic weather builty with Locks
	Emergency Disormed All Quiet ARM

	Summary History Alerts Automations Schedules System
	Security Be Right Back Arm Away
	Arm Stay Dedmom Disarmed, All Quiet.
	Back Door Zone 2 Closed     Office     Front Door Zone 1 Closed
	Gun Cabinet Zone 5     Closed       Kitchen Window Zone 4     Closed       Motion Sensor Zone 3     No Motion
	Other Devices
	£ Entertainment Center <b>Hallway Lamp Thermostat</b> 70°                 Heat to 62°, Cool to 75°
	Notable Events     Erront Door Camera
	10/15 4:54 PM - Bypassed Sensors Cleared         10/15 4:54 PM - Disarmed         10/15 4:53 PM - Disarmed         10/15 4:53 PM - Sensors Bypassed: Back Door (Zone 2)         10/15 4:53 PM - Armed Stay by edaniels         10/15 4:52 PM - Disarmed         10/15 4:52 PM - Disarmed
The system of claim 8 wherein said computer omprises a network nterface for	The ADT app, web portal, and touch screen send and receive information to ADT's servers over the internet. The information on ADT's server can be remotely accessed by the user using a mobile deviablet, or computer.
communicating said	

ADT/FrontPoint Ex 1007 Page 11 of 42

information to a remote	
host.	
10. The system of claim 1	The information collected by the wireless camera includes pictures and video.
wherein said information	
includes one or more of	
image information and	
audio information.	





ADT/FrontPoint Ex 1007 Page 14 of 42

a motion sensor adapted to detect movement of an object and provide an indication of said movement including a unique identifier associated with said sensor	The ADT door and window sensors have two components, the sensor itself and the sensor magnet. The sensor detects when the magnet is moved by monitoring the magnetic field between the two components and triggers when the magnetic field is broken.
	Wireless Door Sensor Triggers the alarm when an equipped door or window is opened. Great on exterior doors and windows that are at ground level, or near trees and shrubs. (May come in Brown)
	Sensors
	Door and Window Sensors
	Your door/window sensors can be triggered when doors, windows, mailboxes, wall or medicine cabinets, entertainment centers, liquor cabinets, or closets are opened or closed. The door/window sensor has two components: the sensor itself (the larger piece) and the sensor magnet. When a door or window is opened, the magnetic field between these two components is broken, triggering the sensor to communicate with your security panel. Your Summary tab then displays the sensor as open in the Devices section with a yellow circle next to the name of the sensor.
a transmitter associated with said sensor and adapted to wirelessly transmit a predetermined signal containing said indication, and	When triggered, the ADT door and window sensors wirelessly transmit an RF signal. The signal includes a specific signature that indicates which sensor is transmitting.





ADT/FrontPoint Ex 1007 Page 17 of 42



personnel. You can count on ADT to be at the ready 24 hours a day, 365 day a year. Our team of security professionals will always be there to offer protection to you and what you value most.

2. The system of claim	The motion sensors are wireless and can be moved from one location to another.
1 wherein said sensor is adapted for removable	Adjustable
attachment to said object.	
	No hardwiring means it's easy to adjust the system to meet your needs. Simply move sensors from one
	location to another within your home.
3. The system of claim	The sensors store a unique identifier that allows the system to know which sensors are triggered and
1 wherein said sensor is	when.
adapted to store said unique	
identifier.	iPod 🗢 11:30 AM 🗳
	Emily's Home Sensors
	Medicine Cabinet Open>
	Front Door Closed>
	Motion Sensor No Motion>
	Smoke Detector Okay>
	Security Cameras Lights Thermostats Locks
4. The system of claim	The system allows the user to name each sensor with a word or phrase that will appear in alerts,
1 wherein said object	notifications, summary pages, etc. When the system receives the unique identifier of the sensor it will
identification information	convert the unique identifier to the applicable word or phrase set by the user.
is a word or a phrase.	

	Parties
	Renaming Devices
	If you are the site owner, depending on your system configuration, you can change the name of most devices. The device name can include numbers, upper and lower case letters, and special characters, such as apostrophes and hyphens.
	To rename a device:
	1. Click the <b>System</b> tab, if it is not already displayed.
	2. Click the name of the device you want to change.
	The device details page appears.
	3. Edit the name of the device, as desired.
	<b>Note:</b> The device name that you assign to the device appears in the application exactly as you enter it. If you enter all capital letters (such as "FRONT DOOR"), it appears that way on the System and Summary tabs. So if you want it to appear as "Front Door", enter it that way here.
	4. Click Save.
	You return to the System tab, and the new device name appears on the list.
9. The system of claim 1 wherein said receiver is adapted to visually output said object identification information.	The receiver will provide a visual alert on the user's mobile device or the ADT touch screen when a sensor is triggered and the system is armed.

	Pod        S:11 PM         ALARM         Burglary         S:11 PM         Kitchen Window         Zone 2         OK         OK         Security       Cameras         Lights       Thermostats
11. The system of claim 1 in association with a remote security administration system comprising a computer host, a communication interface, and a data storage resource.	The ADT system includes a web portal that allows the user to login through the internet or a smartphone app and manage the ADT security system. The web portal is hosted on ADT's servers and can be accessed at <u>https://portal.adtpulse.com</u> or through a smartphone app.



ubscriber database	Summary History	Alerts	Automations Schedules System	
	💥 System		() Help	
ontaining provisioned			ess Codes   My Profile   My Profile History   Modes Manage Devices	
pject identification	Devices ( <u>Chergy</u> ( <u>Site Settings</u> )	03613 1 000	ESS CODES 1 WY FIGHE 1 WY FIGHE FISIOLY 1 WODES	
formation in association				
ith provisioned unique	Name +	Zone	Device Type	
entifier information for	System			
bscribers using said	Security Panel		Honeywell Security: Security Panel - Vista-20PSIA/20PSIACN	
rtable security alarm	iScreen		NETGEAR: 7" Touch Screen (HSS101)	
stem.	Touch Screen		GE Security: 7" Touch Screen	
	Gateway		iControl Networks: iHub-3000	
	1. S			
	Sensors			
	Back Door	2	Door/Window Sensor	
	Front Door	1	Door/Window Sensor	
	Gun Cabinet	5	Door/Window Sensor	
	Kitchen Window	4	Door/Window Senzor	
	Motion Sensor	3	Motion Sensor	
	Cameras			
	Front Door Camera		Wireless Camera Model RC8021	
	Gun Cabinet Camera		Wireless Camera Model RC8021	
	Other Devices Entertainment Center		The second second	
	and the second because the balance		Z-Wave Switch - On/Off	
	Hallway Lamp     Thermostat		Z-Wave Switch - Dimmer RCS: Thermostat Model TZ43/TZ45	
	Inermostat		KCSI Thermostat Model 1243/1245	

identification information	Renaming Devices			
in association with said unique identifiers at said receiver to provide a local programming function.	If you are the site owner, depending on your system configuration, you can change the name of most devices. The device name can include numbers, upper and lower case letters, and special characters, such as apostrophes and hyphens.			
	To rename a device:			
	1. Click the <b>System</b> tab, if it is not already displayed.			
	2. Click the name of the device you want to change.			
	The device details page appears.			
	3. Edit the name of the device, as desired.			
	<b>Note:</b> The device name that you assign to the device appears in the application exactly as you enter it. If you enter all capital letters (such as "FRONT DOOR"), it appears that way on the System and Summary tabs. So if you want it to appear as "Front Door", enter it that way here.			
	4. Click Save.			
	You return to the System tab, and the new device name appears on the list.			
19. A portable security	ADT makes, uses, and sells a system that detects movement of a door, window, or object and alerts a user			
alarm system for detecting	with an audible and visual notification on a computer, mobile device, or a touchscreen panel.			
the movement of an object				
and providing information				
relative to said movement,				
said system comprising				



## ADT/FrontPoint Ex 1007 Page 25 of 42



ADT/FrontPoint Ex 1007 Page 26 of 42

a motion sensor adapted to detect movement of an object and provide an indication of said movement including a unique identifier associated with said sensor,	The ADT door and window sensors have two components, the sensor itself and the sensor magnet. The sensor detects when the magnet is moved by monitoring the magnetic field between the two components and triggers when the magnetic field is broken.	
	Wireless Door Sensor Triggers the alarm when an equipped door or window is opened. Great on exterior doors and windows that are at ground level, or near trees and shrubs. (May come in Brown)	
	Sensors	
	Door and Window Sensors	
	Your door/window sensors can be triggered when doors, windows, mailboxes, wall or medicine cabinets, entertainment centers, liquor cabinets, or closets are opened or closed. The door/window sensor has two components: the sensor itself (the larger piece) and the sensor magnet. When a door or window is opened, the magnetic field between these two components is broken,	
	triggering the sensor to communicate with your security panel. Your Summary tab then displays the sensor as open in the Devices section with a yellow circle next to the name of the sensor.	
a transmitter associated with said sensor and adapted to wirelessly transmit a predetermined signal containing said indication,	When triggered, the ADT door and window sensors wirelessly transmit an RF signal to the hub. The signal includes a specific signature that indicates which sensor is transmitting.	





ADT/FrontPoint Ex 1007 Page 29 of 42



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## **Event Alerts**

The event alert is a powerful tool that allows you to set up alerts for a specific device alarms or events. When a particular device detects a change, such as a door opening or someone entering a room, the system can send an alert.

For example, if you live alone and want to know if your security system is disarmed when you are not at home, you can set up an alert to keep you informed.



ADT/FrontPoint Ex 1007 Page 33 of 42



one or more responses to said security alert via said interactive response medium.	Pod        1:30 PM         Emily Daniels Home         Finity Daniels Home         Armed Away. BURGLARY ALARM.         Out for the Day         Disarm         Exercise Lights         To cancel the alarm and stop the security system's alarm sound, tap the Disarm button.
22. The system of claim 21 wherein said one or more responses include establishing communication between said location and a security agency or other entity.	When the user selects Disarm from their smartphone, tablet, or touchscreen panel, the response will be sent to the alarm monitoring station.
23. The system of claim 21 wherein said one or more responses include an alarm reset request.	When an alarm alert is received on the user's smartphone, tablet, or touchscreen panel, they can reset the alarm by selecting Clear Alarm.



7,113,091 Claim 2	ADT Home Automation and ADT Pulse Systems			
A security network comprising	ADT makes, uses, and sells a system that detects movement of a door, window, or object and alerts a with an audible and visual notification on a computer, mobile device, or a touchscreen panel.			
	Upgrade Your Home Control Expectations			
	With home automation, you can manage your security, lifestyle and home — all from the palm of your hand.			
	Arm and disarm the system remotely.  Control your appliances and lighting  Turn lights on and off with the press of a button to lower your electricity bills.			
	Receive security alerts Get a text message or email when your primary entrance is opened.			
	Adjust your thermostat			
	Home Automation Features Receive alerts and custom notifications			
	Automatic notifications programmed to meet your needs. Intrusion detection, video and more. Do you ever worry that something might happen at home while you're away? This smart solution sends custom notifications about system activity by email or text message to your smartphone, tablet and/or computer. For example, know exactly when the kids arrived home safely, when carbon monoxide levels change or when the smoke detector goes off.**			
	*Standard messaging and data rates may apply.			



ADT/FrontPoint Ex 1007 Page 38 of 42

ADT Home Automation and ADT Pulse Systems	
The ADT iHub receives an RF signal from the motion sensor. The ADT iHub transmits the information from the sensors to the ADT touchscreen over a private WiFi subnet and also to the internet which allows for remote notifications on a computer or mobile device such as a smart phone or tablet.	
iHub	
The ADT door and window sensors have two components, the sensor itself and the sensor magnet. The	
sensor detects when the magnet is moved by monitoring the magnetic field between the two components	
and triggers when the magnetic field is broken.	

7,113,091 Claim 2	ADT Home Automation and ADT Pulse Systems		
	Wireless Door Sensor		
	Triggers the alarm when an equipped door or window is opened. Great on exterior doors and windows that are at ground level, or near trees and shrubs. (May come in Brown)		
	Sensors		
	Door and Window Sensors		
	Your door/window sensors can be triggered when doors, windows, mailboxes, wall or medicine cabinets, entertainment centers, liquor cabinets, or closets are opened or closed. The door/window sensor has two components: the sensor itself (the larger piece) and the sensor magnet.		
	When a door or window is opened, the magnetic field between these two components is broken, triggering the sensor to communicate with your security panel. Your Summary tab then displays the sensor as open in the Devices section with a yellow circle next to the name of the sensor.		
	When triggered, the ADT door and window sensors wirelessly transmit an RF signal to the hub. The signal includes a specific signature that indicates which sensor is transmitting.		

7,113,091 Claim 2	ADT Home Automation and ADT Pulse Systems		
	Step 2. Wireless		
	A wireless security system uses radio waves rather than wires or cables to communicate between the control panel, sensors and cameras.		
said security administration system comprising a computer host programmed to respond to security alerts	The ADT iHub forwards the notification to the owner's mobile device through ADT's servers and to ADT's professional monitoring experts through the internet.		
from said at least one	ALARM	24/7 Professional Monitoring	
portable security alarm system, and	Burglary 5:11 PM Kitchen Window Zone 2 OK	If an alarm is tripped or a sensor goes off, our professional monitoring experts will notify you immediately while simultaneously dispatching help.	
being further programmed to provide information to said at least one portable security alarm system said information including one of security alert	The ADT servers provide information to the ADT news, sports, traffic, and weather.	Security system through a touch panel including at least	

