

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION**

AGIS SOFTWARE DEVELOPMENT LLC,	§	
	§	Case No.
Plaintiff,	§	
	§	<u>JURY TRIAL DEMANDED</u>
v.	§	
	§	
HEWLETT PACKARD ENTERPRISE CO.	§	
and HP, INC.,	§	
	§	
Defendants.	§	
	§	

PLAINTIFF’S COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff AGIS Software Development LLC (“AGIS Software” or “Plaintiff”) files this Complaint against Defendants Hewlett Packard Enterprise Co., and HP, Inc. (collectively, “HP” or “Defendants”) for patent infringement under 35 U.S.C. § 271 and alleges as follows:

THE PARTIES

1. Plaintiff AGIS Software is a limited liability company, organized and existing under the laws of the State of Texas, and maintains its principal place of business at 100 W. Houston Street, Marshall, Texas 75670. AGIS Software is the owner of all right, title, and interest in and to U.S. Patent Nos. 8,213,970, 9,445,251, 9,467,848, 9,820,123, and 9,749,829 (the “Patents-in-Suit”).

2. Defendant Hewlett Packard Enterprise Co. (“HPE”) is a Delaware corporation with a principal place of business at 1701 East Mossy Oaks Road, Spring, Texas 77389. HPE is registered to do business in the State of Texas. HPE can be served with process through its registered agent, CT Corporation System, 1999 Bryan Street, Suite 900, Dallas, Texas 75201-3136.

3. Defendant HP, Inc. (“HPI”) is a Delaware corporation, with a principal place of business at 1501 Page Mill Road, Palo Alto, California 94304. HPI is registered to do business in the State of Texas. HPI has a regular and established place of business at 10300 Energy Drive, Spring, Texas 77389.¹ HPI can be served with process through its registered agent, CT Corporation System, 1999 Bryan Street, Suite 900, Dallas, Texas 75201-3136.

4. On information and belief, Defendants directly and/or indirectly develop, design, manufacture, distribute, market, offer for sale, and/or sell infringing products and services in the United States, including in the Eastern District of Texas, and otherwise direct infringing activities to this District in connection with their products and services.

JURISDICTION AND VENUE

5. This is an action for patent infringement arising under the patent laws of the United States, 35 U.S.C. §§ 1, *et seq.* This Court has subject matter jurisdiction over this action pursuant to 28 U.S.C. §§ 1331, 1338(a), and 1367.

6. This Court has specific and personal jurisdiction over Defendants in this action because Defendants have committed acts within this Judicial District giving rise to this action and have established minimum contacts with this forum, such that the exercise of jurisdiction over Defendants would not offend traditional notions of fair play and substantial justice. Defendants conducts business and have committed acts of patent infringement and/or have induced acts of patent infringement by others in this Judicial District and/or have contributed to patent infringement by others in this Judicial District, the State of Texas, and elsewhere in the United States by, among other things, offering to sell and selling products and/or services that infringe the Patents-in-Suit.

¹ <https://www.hp.com/us-en/contact-hp/office-locations.html>

7. Venue is proper in this Judicial District pursuant to 28 U.S.C. §§ 1391 and 1400(b) because Defendants have regular and established places of business in this Judicial District. On information and belief, HPE has a regular and established place of business in this District, including multiple offices and facilities in Plano, Texas and an office at 3001 Dallas Parkway, Frisco, Texas 75034-8660. On information and belief, HPI has a regular and established place of business in this District, including multiple offices and facilities at 6901 Windcrest Drive, Plano, Texas 75024; 7000 Parkwood Boulevard, Plano, Texas 75024, and 2800 Dallas Parkway, Plano, Texas 75093. Defendants, through their own acts and/or through the acts of others, make, use, sell, distribute, export from, import, and/or offer to sell infringing products within this Judicial District, regularly do and solicit business in this Judicial District, and have the requisite minimum contacts with this Judicial District, such that this venue is a fair and reasonable one.

8. Defendants have authorized sellers and sales representatives that offer for sale and sell infringing products to consumers at various locations throughout the State of Texas and this Judicial District including, but not limited to: Best Buy, 422 West TX-281 Loop, Suite 100, Longview, Texas 75605; Best Buy, 2800 North Central Expressway, Plano, Texas 75074; Best Buy, 5514 S Broadway Avenue, Tyler, Texas 75703; Staples, 812 West McDermott Drive, Allen, Texas 75013; Walmart Supercenter, 730 West Exchange Parkway, Allen, Texas 75013; and Walmart Supercenter, 1701 East End Boulevard North, Marshall, Texas 75670.

PATENTS-IN-SUIT

9. On July 3, 2012, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 8,213,970 (the “’970 Patent”) entitled “Method of Utilizing Forced Alerts for Interactive Remote Communications.” On September 1, 2021, the United States Patent and Trademark Office issued an Inter Partes Review Certificate for the ’970 Patent cancelling claims

1 and 3-9. On December 9, 2021, the United States Patent and Trademark Office issued an Ex Parte Reexamination Certificate for the '970 Patent determining claims 2 and 10 (as amended) and claims 11-13 to be valid and patentable. A true and correct copy of the '970 Patent, which includes the September 1, 2021 Inter Partes Review Certificate and the December 9, 2021 Ex Parte Reexamination Certificate, is attached hereto as Exhibit A.

10. On September 13, 2016, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 9,445,251 (the "'251 Patent") entitled "Method to Provide Ad Hoc and Password Protected Digital and Voice Networks." On June 8, 2021, the United States Patent and Trademark Office issued an Ex Parte Reexamination Certificate of the '251 Patent determining claims 1-35 to be valid and patentable. A true and correct copy of the '251 Patent, which includes the June 8, 2021 Ex Parte Reexamination Certificate, is attached hereto as Exhibit B.

11. On October 11, 2016, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 9,467,838 (the "'838 Patent") entitled "Method to Provide Ad Hoc and Password Protected Digital and Voice Networks." On May 27, 2021, the United States Patent and Trademark Office issued an Ex Parte Reexamination Certificate of the '838 Patent determining claims 1-84 to be valid and patentable. A true and correct copy of the '838 Patent, which includes the May 27, 2021 Ex Parte Reexamination Certificate, is attached hereto as Exhibit C.

12. On November 14, 2017, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 9,820,123 (the "'123 Patent") entitled "Method to Provide Ad Hoc and Password Protected Digital and Voice Networks." On September 24, 2021, the United States Patent and Trademark Office issued an Ex Parte Reexamination Certificate for the '123 Patent confirming the validity and patentability of claims 1-48. A true and correct copy of the '123 Patent,

which includes the September 24, 2021 Ex Parte Reexamination Certificate, is attached hereto as Exhibit D.

13. On August 29, 2017, the United States and Trademark Office duly and legally issued U.S. Patent No. 9,749,829 (the “’829 Patent”) entitled “Method to Provide Ad Hoc and Password Protected Digital and Voice Networks.” On August 16, 2021, the United States Patent and Trademark Office issued an Ex Parte Reexamination Certificate for the ’829 Patent confirming the validity and patentability of claims 1-68. A true and correct copy of the ’829 Patent, which includes the August 16, 2021 Ex Parte Reexamination Certificate, is attached hereto as Exhibit E.

14. AGIS Software is the sole and exclusive owner of all rights, title, and interest in the Patents-in-Suit, and holds the exclusive right to take all actions necessary to enforce its rights to the Patents-in-Suit, including the filing of this patent infringement lawsuit. AGIS Software also has the right to recover all damages for past, present, and future infringement of the Patents-in-Suit and to seek injunctive relief as appropriate under the law.

FACTUAL ALLEGATIONS

15. Malcolm K. “Cap” Beyer, Jr., a graduate of the United States Naval Academy and a former U.S. Marine, is the CEO of AGIS Software and a named inventor of the AGIS Software patent portfolio. Mr. Beyer founded Advanced Ground Information Systems, Inc. (“AGIS, Inc.”) shortly after the September 11, 2001 terrorist attacks because he believed that many first responder and civilian lives could have been saved through the implementation of a better communication system. He envisioned and developed a new communication system that would use integrated software and hardware components on mobile devices to give users situational awareness superior to systems provided by conventional military and first responder radio systems.

16. AGIS, Inc. developed prototypes that matured into its LifeRing system. LifeRing provides first responders, law enforcement, and military personnel with what is essentially a tactical operations center built into hand-held mobile devices. Using GPS-based location technology and existing or special-purpose cellular communication networks, LifeRing users can exchange location, heading, speed, and other information with other members of a group, view each other's locations on maps and satellite images, and rapidly communicate and coordinate their efforts.

17. AGIS Software was formed in 2017 and has since opened two offices in Texas, including one office located at 2226 Washington Avenue, #2, Waco, Texas 76702. AGIS Software also maintains a data center in Texas.

18. Mr. Beyer has maintained longstanding ties to Texas and the Eastern District. In 1987, Mr. Beyer founded Advanced Programming Concepts, an Austin-based company focused on real-time tactical command and control systems. Advanced Programming Concepts was later acquired by Ultra Electronics, Inc. and is now the Advanced Tactical Systems unit of Ultra Electronics, Inc., which is still based in Austin, Texas.

19. AGIS Software licenses its patent portfolio, including the '970, '251, '838, '123, and '829 Patents, to AGIS, Inc. AGIS, Inc. has marked its products accordingly. AGIS Software and all previous assignees of the Patents-in-Suit have complied with the requirements of 35 U.S.C. § 287(a).

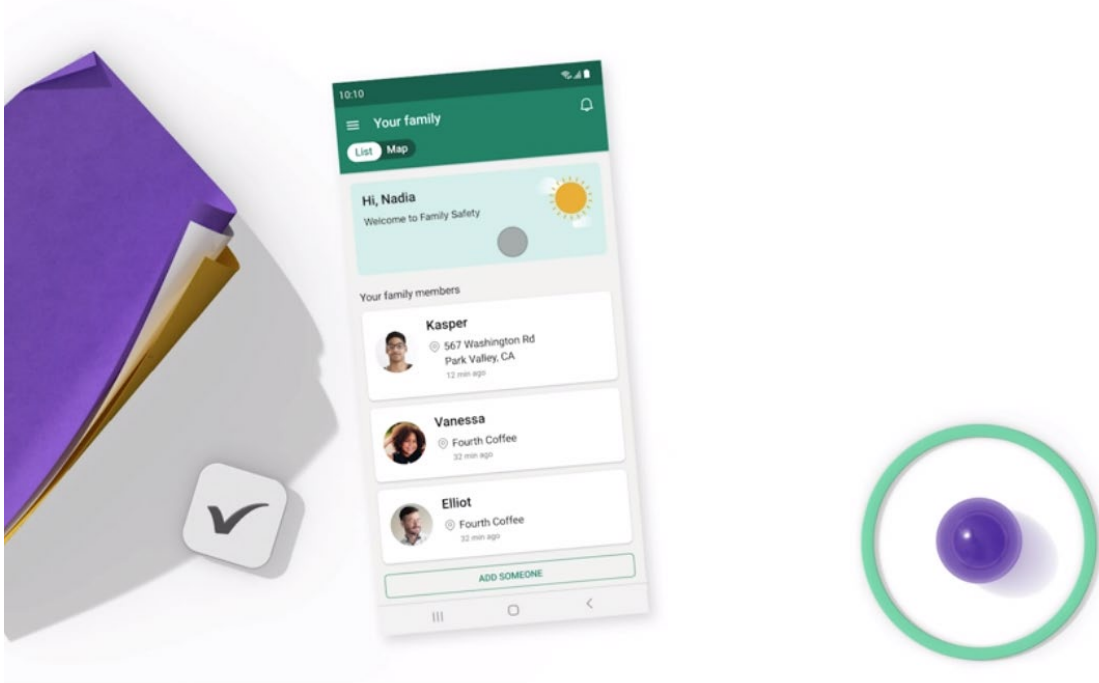
20. Defendants have infringed and are continuing to infringe the Patents-in-Suit by making, using, selling, offering to sell, distributing, exporting from, and/or importing, and by actively inducing others to make, use, sell, offer to sell, distribute, export from, and/or import products that infringe the Patents-in-Suit. Such products include at least the HP Wolf Protect and

Trace, Family Safety application, Find My Device application, HP Touchpoint, and Absolute Software application and services, and all HP computer devices running Windows-based operating systems, such as all models and versions of HP ProBook, Spectre, Pavilion, Envy, ZBook FireFly, ZBook Fury, ZBook Power, ZBook Studio, EliteBook, HP 250, HP 255, HP Laptop, OMEN, OMEN Transcend, Chromebook, Victus, OmniBook, Elite, mt440, mt645, and Essential from 2017 to present(the “Accused Products”).² The Accused Products infringe each of the Asserted Patents.

21. The Accused Products include functionalities that allow users to form and/or join networks or groups, share and view locations with other users, display symbols corresponding to locations (including locations of other users) on a map, and communicate with other users via text, voice, and multimedia-based communication. Additionally, the Accused Products include functionalities to allow users to form and/or join networks or groups. Additionally, the users may form groups that include their own devices in order to track their own lost or stolen devices, as shown below; to send and receive communications from their own lost or stolen Accused Products; and to remotely control the lost or stolen Accused Products. The Accused Products include the functionalities to display map information, including symbols corresponding with users, entities, and locations. Additionally, the Accused Products include functionalities to form groups that include their own devices in order to track, remotely monitor and control, and/or communicate

² See, e.g., <https://www.microsoft.com/en-us/microsoft-365/family-safety?ocid=cmyy4tuo5qp>; <https://www.absolute.com/partners/device-manufacturers/hp/>; [https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjwNi0BhA1EiwAWZaANCBmWbkabhvcGxhOb63do7fFEDGipTa6581ZV8r-KWjsxWozy7_oBoCFUIQAvD_BwE&gclid=aw.ds](https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjwNi0BhA1EiwAWZaANCBmWbkabhvcGxhOb63do7fFEDGipTa6581ZV8r-KWjsxWozy7_oBoCFUIQAvD_BwE&gclid=aw.ds;); <https://www.youtube.com/watch?v=9WhRE63ab58>; <http://h10032.www1.hp.com/ctg/Manual/c04919369.pdf>

with other users' devices. The Accused Products include functionalities to enable communications, such as voice calls between users. The Accused Products practice the claims of the Asserted Patents to improve user experiences and to improve Defendants' position in the market.



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Features and specs

Find Command: This command on your device allows ITDMs to quickly locate a missing device. Once the device appears on a map, you can decide to lock the device or erase it, protecting the data on the device from unauthorized access.

Lock Command: Use HP's most secure service solution with threshold cryptography to find, lock, and erase data from all of your HP devices, ensuring that your sensitive information is protected. HP Wolf Protect and Trace locks the device at the firmware level that prevents it from booting even if the drive was replaced. Additionally, by remote locking your PC, unauthorized users can no longer access your PC and files.^{1,3}

Erase Command: Reliably protect data, manage your fleet of HP devices, and keep unauthorized users from accessing your files and documents on your network with HP Wolf Protect and Trace. Powered by HP TechPulse, HP Wolf Protect and Trace provides a complete hardware-enforced find, lock, erase service. When a PC is deemed unrecoverable by the ITDM, you can now erase the data and files to ensure data is destroyed and not accessed. HP Wolf Protect and Trace uses HP Secure Erase technology to erase all internal SSDs and HDDs safely and effectively on a device.

Persistence: HP Wolf Protect and Trace uses hardware-enforced persistence via HP Sure Run Gen4². If HP TechPulse is removed without authorization, HP Sure Run reinstalls the software automatically.

Threshold Cryptography: This allows ITDMs to assign multiple ITDM approvers holding partial keys to lock and erase a lost or stolen PC.

HP Wolf Protect and Trace is a service that is combined in some Care Pack options with HP Active Care.

4

Absolute and HP: Better Together

For over 14 years, Absolute and HP have combined top-end hardware with unbreakable endpoint security.

HP embeds Absolute in the firmware of its devices as it produces them, allowing Absolute to heal itself. This creates a persistent connection between devices, their data, and the dashboard.

Absolute Persistence extends to HP's proprietary security solutions, enabling them to survive attempts to disable or remove them.



Persistence®

Create a two-way connection that heals itself, enabling unprecedented visibility and control.

Absolute can uniquely survive formatting, uninstalls, and other attempts to neutralize it.



Intelligence

See every endpoint — and the apps and data on it.

Use this knowledge to fix blind spots, stay compliant, and make better decisions.



Resilience

Absolute Persistence extends to Sure Start, Sure Run, and Sure Sense.

Sustain these and other essential endpoint agents with automatic self-healing.



Data Protection

Locate, lock, and delete data on devices — on or off the corporate network.

Perform end-of-life device wipes with a compliance certificate.

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COUNT I **(Infringement of the '970 Patent)**

22. Paragraphs 1 through 21 are incorporated herein by reference as if fully set forth in their entireties.

23. AGIS Software has not licensed or otherwise authorized Defendants to make, use, offer for sale, sell, distribute, export from, or import any Accused Products and/or products that embody the inventions of the '970 Patent.

24. Defendants infringe, contribute to the infringement of, and/or induce infringement of the '970 Patent by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States products and/or methods covered by one or more claims of the '970 Patent including, but not limited to, the Accused Products.

³ <https://www.microsoft.com/en-us/microsoft-365/family-safety>

⁴ <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>

⁵ <https://www.absolute.com/partners/device-manufacturers/hp/>

25. Defendants have and continue to directly infringe at least claim 10 of the '970 Patent, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products without authority and in violation of 35 U.S.C. § 271(a).

26. Defendants have and continue to indirectly infringe at least claim 10 of the '970 Patent by actively, knowingly, and intentionally inducing others to directly infringe, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products and by instructing users of the Accused Products to perform methods claimed in the '970 Patent. For example, Defendants, with knowledge that the Accused Products infringe the '970 Patent at least as of the date of this Complaint, actively, knowingly, and intentionally induced, and continue to knowingly and intentionally induce direct infringement of the '970 Patent in violation of 35 U.S.C. § 271(b). Alternatively, Defendants believed there was a high probability that others would infringe the '970 Patent but remained willfully blind to the infringing nature of others' actions.

27. For example, Defendants have indirectly infringed and continue to indirectly infringe at least claim 10 of the '970 Patent in the United States because Defendants' customers use the Accused Products, including at least the Family Safety Application and/or services or the Accused Products with the Family Safety Application and/or services, alone or in conjunction with additional Accused Products, in accordance with Defendants' instructions and thereby directly infringe at least claim 10 of the '970 Patent in violation of 35 U.S.C. § 271. Defendants directly and/or indirectly intentionally instruct their customers to infringe through training videos, demonstrations, brochures, installations and/or user guides, such as those located at one or more of the following: <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>;

<https://apps.microsoft.com/detail/9n7wszgck7m5?amp%3Bgl=US&hl=en-us&gl=US;>
<https://www.hp.com/us-en/security/products/wolf-connect.html;> https://support.hp.com/us-en/document/ish_5029006-5029050-16;
<https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW;>
<https://h20195.www2.hp.com/v2/getpdf.aspx/c07634149.pdf;>
[https://homeoffice.absolute.com/hp-protection/;](https://homeoffice.absolute.com/hp-protection/)
<https://www.youtube.com/watch?v=9WhRE63ab58;>
<http://h10032.www1.hp.com/ctg/Manual/c04919369.pdf;> https://support.hp.com/lv-en/document/ish_5029006-5029050-16; <https://enterprisesecurity.hp.com/s/article/Protect-and-trace-an-overview-of-Wolf-Protect-and-Trace;> and Defendants' agents and representatives

located within this Judicial District. Defendants are thereby liable for infringement of the '970 Patent under 35 U.S.C. § 271(b). Alternatively, Defendants believed there was a high probability that others would infringe the '970 Patent but remained willfully blind to the infringing nature of others' actions.

28. For example, Defendants directly infringe and/or indirectly infringe by instructing their customers to infringe by performing claim 10 of the '970 Patent, including: a method of receiving, acknowledging, and responding to a forced message alert from a sender PDA/cell phone to a recipient PDA/cell phone, wherein the receipt, acknowledgment, and response to said forced message alert is forced by a forced message alert software application program, said method comprising the steps of: receiving an electronically transmitted electronic message; identifying said electronic message as a forced message alert, wherein said forced message alert comprises a voice or text message and a forced message alert application software packet, which triggers the activation of the forced message alert software application program within the recipient PDA/cell

phone; transmitting an automatic acknowledgment of receipt to the sender PDA/cell phone, which triggers the forced message alert software application program to take control of the recipient PDA/cell phone and shows the content of the text message and a required response list on the display recipient PDA/cell phone or to repeat audibly the content of the voice message on the speakers of the recipient PDA/cell phone and show the required response list on the display recipient PDA/cell phone; and transmitting a selected required response from the response list in order to allow the message required response list to be cleared from the recipient's cell phone display, whether said selected response is a chosen option from the response list, causing the forced message alert software to release control of the recipient PDA/cell phone and stop showing the content of the text message and a response list on the display recipient PDA/cell phone and/or stop repeating the content of the voice message on the speakers of the recipient PDA/cell phone; displaying the response received from the PDA cell phone that transmitted the response on the sender of the forced alert PDA/cell phone; and providing a list of the recipient PDA/cell phones that have automatically acknowledged receipt of a forced alert message and their response to the forced alert message; and displaying a geographical map with georeferenced entities on the display of the sender PDA/cell phone; obtaining location and status data associated with the recipient PDA/cellphone; and presenting a recipient symbol on the geographical map corresponding to a correct geographical location of the recipient PDA/cellphone based on at least the location data. For example, the Accused Products include features as shown below.

Features and specs

Find Command: This command on your device allows ITDMs to quickly locate a missing device. Once the device appears on a map, you can decide to lock the device or erase it, protecting the data on the device from unauthorized access.

Lock Command: Use HP's most secure service solution with threshold cryptography to find, lock, and erase data from all of your HP devices, ensuring that your sensitive information is protected. HP Wolf Protect and Trace locks the device at the firmware level that prevents it from booting even if the drive was replaced. Additionally, by remote locking your PC, unauthorized users can no longer access your PC and files.¹³

Erase Command: Reliably protect data, manage your fleet of HP devices, and keep unauthorized users from accessing your files and documents on your network with HP Wolf Protect and Trace. Powered by HP TechPulse, HP Wolf Protect and Trace provides a complete hardware-enforced find, lock, erase service. When a PC is deemed unrecoverable by the ITDM, you can now erase the data and files to ensure data is destroyed and not accessed. HP Wolf Protect and Trace uses HP Secure Erase technology to erase all internal SSDs and HDDs safely and effectively on a device.




Persistence: HP Wolf Protect and Trace uses hardware-enforced persistence via HP Sure Run Gen4². If HP TechPulse is removed without authorization, HP Sure Run reinstalls the software automatically.

Threshold Cryptography: This allows ITDMs to assign multiple ITDM approvers holding partial keys to lock and erase a lost or stolen PC.

HP Wolf Protect and Trace is a service that is combined in some Care Pack options with HP Active Care.

6

Mission critical capabilities

 <p>Threat Containment</p>	 <p>Lost or stolen hardware</p>	 <p>Printer resiliency</p>
<p>CPU-enforced malware prevention stops phishing and ransomware attacks, while reducing overall alert volume.</p> <p>More on Threat Containment ></p>	<p>Remotely locate, lock, and wipe a lost or stolen PC. HP Protect and Trace² protects data, reduces operational burden, and can eliminate breach notifications.</p> <p>More on Protect & Trace ></p>	<p>Continually monitors device for anomalous behavior and self-heals.</p> <p>More on protection & detection ></p>

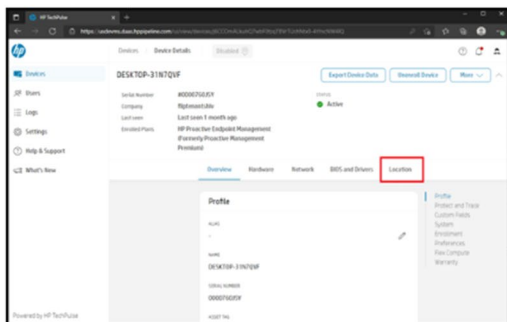
7

⁶ <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>

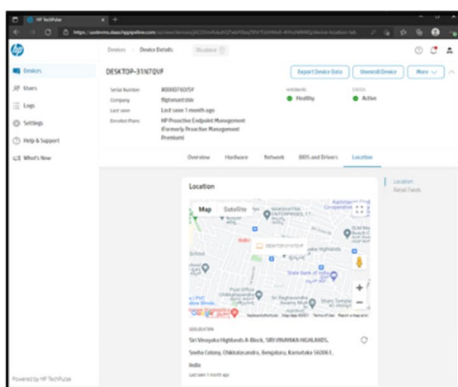
⁷ https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjw

2. Click the device serial number to open the **Device Details** page, and then select the **Location** tab.

NOTE: If you do not have the **Location** tab available, you have not been assigned to a user role with permission to access the **Location** tab.



A map displays the approximate address of the device location, as well as the last time the map was updated. The locations are updated every 24 hours.



3. To update the map manually and request the device's current location, click **Refresh**.

8

Ni0BhA1EiwAWZaANCBmWbkabhvcGxhOb63do7fFEDGipTa6581ZV8r-KWjsxWozy7_oBoCFUIQAvD_BwE&gclid=aw.ds

⁸ https://support.hp.com/us-en/document/ish_5029006-5029050-16

⊗ How do I lock or erase a device?

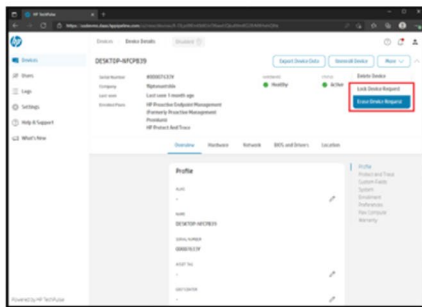
You can lock or erase a device from HP TechPulse on the Devices tab.

1. In HP TechPulse, click the **Devices** tab, and then search for the device name in the list. You can filter the list by serial number or device name.

NOTE: To lock or erase the device, the device status must be **Available**.



2. Click the device serial number to open the **Device Details** page.
3. Click the **More** drop-down menu, and then select either **Lock Device Request** or **Erase Device Request**.



9

The Challenge

Reliable PC Fleet Management and Security Assurance

The typical PC fleet supports a variety of end-user requirements including hybrid or remote workers, contractors and temporary staff, and dedicated specialty systems for a variety of applications. This poses major problems in three fundamental areas:

ASSET MANAGEMENT

Tracking the PC fleet across the device lifecycle, including optimizing user productivity and financial ROI.

DATA SECURITY

Lowering the risk of sensitive data loss.

AUDIT AND COMPLIANCE

Ensuring that control objectives are met as efficiently and consistently as possible.

To cope with this challenge, solutions including HP Wolf Protect and Trace have been on the market for some time. In brief, they offer three basic capabilities:



FIND: Locate a PC in real-time



LOCK: Disable a PC that has gone missing, so that it cannot be used or data accessed



ERASE: Delete the data on the primary drive if the device is not expected to be recovered

However virtually all such systems require that the end device be powered up, operational, and connected to the Internet. This requirement can be problematic and unreliable, leading to incomplete asset tracking and data protection.

HP WOLF SECURITY


1 10

⁹ https://support.hp.com/us-en/document/ish_5029006-5029050-16

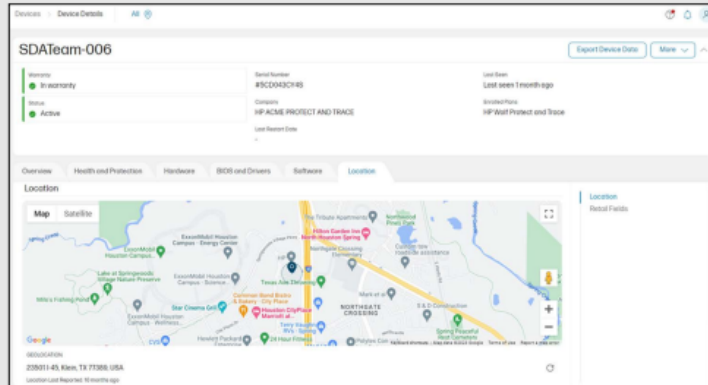
¹⁰ <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>

How it Works Operational Description


HP Protect and Trace with Wolf Connect supports Find, Lock, and Erase capabilities. A brief operational summary of each follows:

 **FIND**
Locating a PC is extremely simple

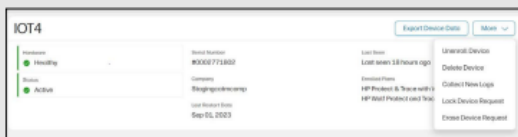
The IT operations staff selects a PC from the TechPulse console, and then chooses the "Location" option. A map will appear immediately, showing the location of the PC based on cached fix obtained within the last 24 hours. A "confidence radius" is shown on the map, as well as the method used to obtain the fix (see below for details). Lastly, as soon as the Location tab is selected, Wolf Connect will attempt a new location fix, and the panel will update if a more accurate fix is obtained.



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 **LOCK**
Locking a PC is a multi-step process

1. User or IT determines that a lock is required (for example if the PC has gone missing or hasn't been returned when it should have been).
2. IT operator selects the PC on the TechPulse console and executes a request to lock it. They can optionally enter a message that will be displayed on the target PC when locked. For example, they may want to include phone number or email address to contact to unlock the PC.



Lock Device Request

To lock this device, you must obtain approval from 1 designated approvers.
Choose at least 1 people you want to notify about this request. All other approvers are not notified but can still see and approve the request.

Approvers

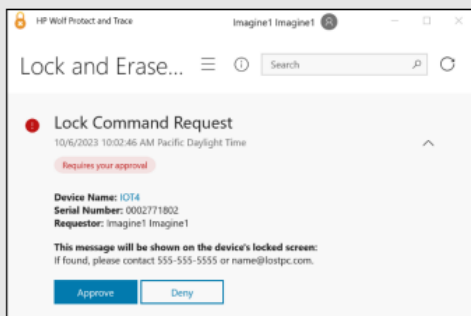
If found, please contact 555-555-5555 or name@lostpc.com.

12

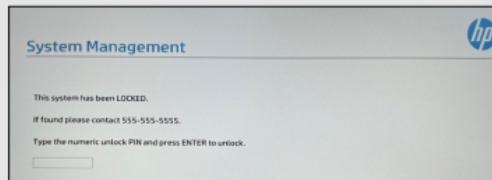
¹¹ <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>

¹² <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>

3. One or more staff members pre-identified as "approvers" will then approve the request, using their instance of the Approver app. The organization decides in advance how many approvers are required to approve any Lock (or Erase) request, with a minimum of one. For example, they may decide to have a pool of eight authorized approvers, any two of which must approve a request. When the IT operator enters the Lock request, all eight approvers get an email telling them that a request is pending their approval. As soon as two of them approves, the Lock is dispatched to the target PC.



4. When the target receives the approved Lock request, it immediately reboots. As it reboots the operating system is not initiated. Instead, a special "locked screen" is presented at the BIOS level. The message entered by the TechPulse operator is displayed on this screen. At this point the PC cannot be used for any purpose, and the lock will persist indefinitely unless the Unlock process is performed.



5. When a PC unlock is needed (for example if the user finds the PC after misplacing it), the TechPulse operator selects "Unlock" and is presented with an eight-digit, unique Unlock code. The operator provides the user with the code (via any out of band method such as a voice call, email, or text). The user simply enters the code on the PC, and the PC will immediately reboot and the operating system will be started. The machine will now behave normally.



ERASE


Erasing a PC is identical to the Lock command, except that there is no "Unlock" process - Erase is irreversible. Once an erase command is executed, the primary drive is immediately erased, removing the data and applications. The PC will have to be re-imaged if it is to be re-used.

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¹³ <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>

Find Device (Windows, Android, and iOS)

An IT administrator can find managed devices on a map. Users can find their own devices, but they cannot view other users' devices.

 **NOTE:** This policy is not enforced for personal devices.

To find a device, on the HP Touchpoint Manager dashboard:

▲ Under **Quick Links**, select **Locate a Device**.

– or –

From the **Devices** list page, select a device, navigate to the device's **Device Detail** page, and then select **I want to locate this device**.


The device's last detected location is displayed on a map.

IT administrators can also view a list of other managed devices.

Find Device includes the following features:

Sound an alarm (Windows and Android only)—To help find a nearby lost device, the HP Touchpoint Manager service can sound a loud alarm on a device. The sound plays for 30 seconds by default unless stopped. HP Touchpoint Manager automatically enables sound and sets the speaker volume at maximum before the sound is played.

Lock device—For Android devices, the device screen is locked with a secret PIN code (visible on the **Device Details** page), and it cannot be used until the PIN code is entered. The user is then prompted to enter a new PIN for the device. For iOS devices, the device is locked with the passcode currently stored on the device.

 **NOTE:** If a lost device is recovered, the IT administrator can provide the PIN to unlock the device.

Erase device data—This feature causes a device factory reset, which erases all on-device data, but does not erase data on any externally-attached media that may be connected to the device.

Find device on map—The device's last detected location is displayed on a map. You can also select the following actions:

- **Sound Alarm**—See [Sounding the alarm on a device](#).
- **Lock**—See [Locking a device](#).
- **Erase Device Data**—See [Erasing data from a device \(Windows, Android, and iOS\)](#).

14

29. The Accused Products, such as the Absolute Software and Family Safety applications, further include similar features and functionalities to HP Wolf Security, and infringe in a substantially similar manner.¹⁵






¹⁴ <https://h10032.www1.hp.com/ctg/Manual/c04919369.pdf>

¹⁵ See, e.g., <https://homeoffice.absolute.com/>


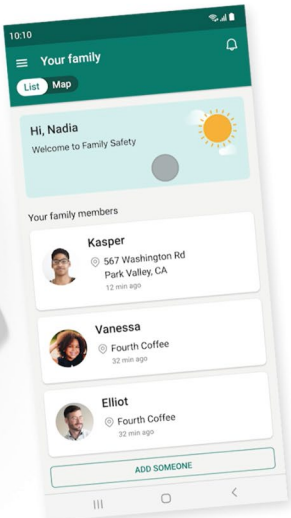
Lost laptop? Stolen PC? Absolute Home & Office is here to help

Whether it's your personal computer, a laptop used for education or a fleet of small business machines, Absolute Home & Office can keep your device(s) and information safe. Locate, regain control of and in many cases even recover your missing or stolen computer using a combination of GPS, Wi-Fi, and IP geolocation technology



LOCATE	LOCK	DELETE	RECOVER	GUARANTEE
				
Map your laptop's location	Prevent use of your lost laptop	Protect your privacy remotely	Get your laptop and life back	Up to \$1,000 if not recovered

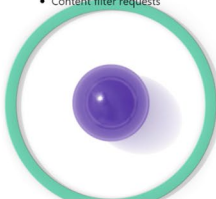
16

Explore safely with content filters

Create a safe space for your kids to explore online. Use the app's content filters to set healthy boundaries, block inappropriate apps and games, and limit browsing to kid-friendly websites using Microsoft Edge on Xbox, Windows, and Android.

- Apps and game content filters
- Web and search content filters
- Content filter requests



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¹⁶ <https://homeoffice.absolute.com/>

¹⁷ <https://www.microsoft.com/en-us/microsoft-365/family-safety?rtc=1>

Find your family on a map

Microsoft account, Microsoft account dashboard

Important: Location and driving safety features in Microsoft Family Safety are going away. [Learn more.](#)

Wondering whether a family member is on their way home or still finishing up at practice? Is someone caught in a traffic delay and running late for dinner? Skip the constant check-ins and view family members' locations in real time on the Microsoft Family Safety map!

Family Safety's free in-app map feature can be accessed online at family.microsoft.com and in the Family Safety mobile app, available for download in the [Google Play store](#) or [App Store for iPhone](#). *Map features are available on Android and iOS devices.*

In order to begin using Family Safety features, family members must first [enable location sharing](#) in their own [connected device](#) settings and in the Family Safety app.

Once location sharing permissions are allowed, explore other premium location features with a [Microsoft 365 subscription](#), including [drive safety](#), [location alerts](#) and more!

18

30. AGIS Software has suffered damages as a result of Defendants' direct and indirect infringement of the '970 Patent in an amount to be proved at trial.

31. AGIS Software has suffered, and will continue to suffer, irreparable harm as a result of Defendants' infringement of the '970 Patent for which there is no adequate remedy at law unless Defendants' infringement is enjoined by this Court.

COUNT II **(Infringement of the '251 Patent)**

32. Paragraphs 1 through 21 are incorporated herein by reference as if fully set forth in their entireties.

¹⁸ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

33. AGIS Software has not licensed or otherwise authorized Defendants to make, use, offer for sale, sell, distribute, export from, or import any Accused Products and/or products that embody the inventions of the '251 Patent.

34. Defendants infringe, contribute to the infringement of, and/or induce infringement of the '251 Patent by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States products and/or methods covered by one or more claims of the '251 Patent including, but not limited to, the Accused Products.

35. Defendants have and continue to directly infringe at least claim 24 of the '251 Patent, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products without authority and in violation of 35 U.S.C. § 271(a).

36. Defendants have and continue to indirectly infringe at least claim 24 of the '251 Patent by actively, knowingly, and intentionally inducing others to directly infringe, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products and by instructing users of the Accused Products to perform methods claimed in the '251 Patent. For example, Defendants, with knowledge that the Accused Products infringe the '251 Patent at least as of the date of this Complaint, actively, knowingly, and intentionally induced, and continue to actively, knowingly, and intentionally induce direct infringement of the '251 Patent. Alternatively, Defendants believed there was a high probability that others would infringe the '251 Patent but remained willfully blind to the infringing nature of others' actions.

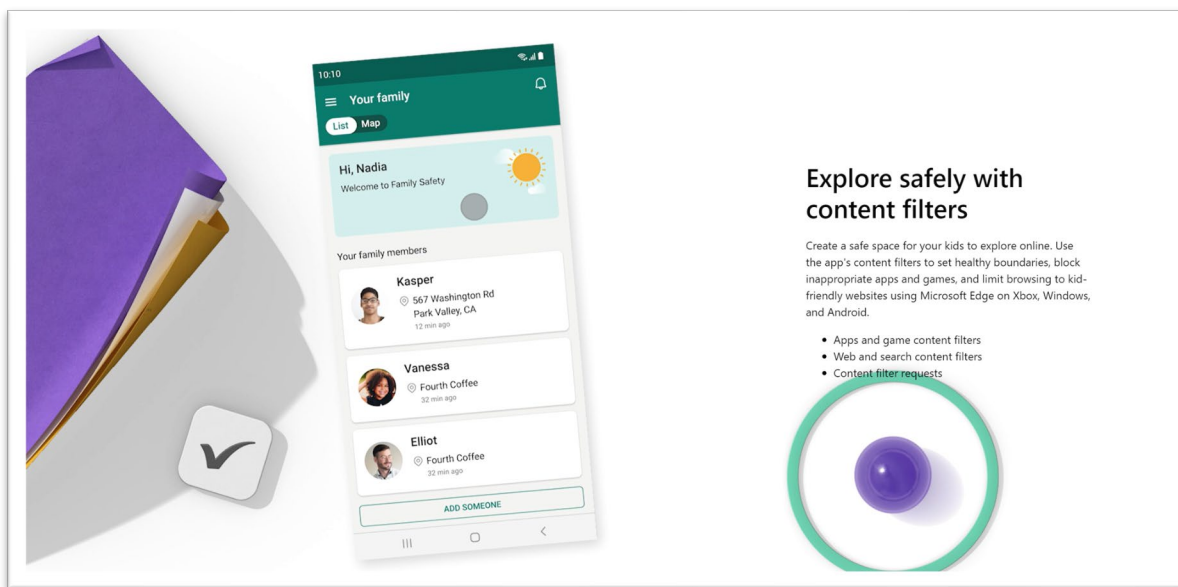
37. For example, Defendants have indirectly infringed and continue to indirectly infringe at least claim 24 of the '251 Patent in the United States because Defendants' customers

use the Accused Products, including at least Family Safety Application and/or services or the Accused Products with the Family Safety Application and/or services, alone or in conjunction with additional Accused Products, in accordance with Defendants' instructions and thereby directly infringe at least claim 24 of the '251 Patent in violation of 35 U.S.C. § 271. Defendants directly and/or indirectly intentionally instruct their customers to infringe through training videos, demonstrations, brochures, installations and/or user guides, such as those located at one or more of the following: <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>; <https://apps.microsoft.com/detail/9n7wszgck7m5?amp%3Bgl=US&hl=en-us&gl=US>; <https://www.hp.com/us-en/security/products/wolf-connect.html>; https://support.hp.com/us-en/document/ish_5029006-5029050-16; <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>; <https://h20195.www2.hp.com/v2/getpdf.aspx/c07634149.pdf>; <https://homeoffice.absolute.com/hp-protection/>; <https://www.youtube.com/watch?v=9WhRE63ab58>; <http://h10032.www1.hp.com/ctg/Manual/c04919369.pdf>; https://support.hp.com/lv-en/document/ish_5029006-5029050-16; <https://enterprisesecurity.hp.com/s/article/Protect-and-trace-an-overview-of-Wolf-Protect-and-Trace>; and Defendants' agents and representatives located within this Judicial District. Defendants are thereby liable for infringement of the '251 Patent under 35 U.S.C. § 271(b). Alternatively, Defendants believed there was a high probability that others would infringe the '251 Patent but remained willfully blind to the infringing nature of others' actions.

38. For example, Defendants' Accused Products allow users to share their locations and view other users' locations on a map and to communicate with those users via the Family Safety Application.

39. For example, the exemplary Accused Products allow users to establish groups and to exchange messages via interaction with servers which provide the Family Safety services, among other relevant services. The exemplary Accused Products further allow users to retrieve map information from multiple sources, including street-view maps.

40. The exemplary Accused Products are programmed to receive messages from other devices where those messages relate to joining groups, as depicted below:



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¹⁹ <https://www.microsoft.com/en-us/microsoft-365/family-safety?rtc=1>

Find your family on a map

Microsoft account, Microsoft account dashboard

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Once location sharing permissions are allowed, explore other premium location features with a [Microsoft 365 subscription](#), including [drive safety](#), [location alerts](#) and more!

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²⁰ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

Microsoft principles

"Your data, powering your experiences, controlled by you." We adhere to CEO Satya Nadella's words and [Microsoft privacy](#) principles while providing location-based experiences across the Microsoft products you enjoy. Microsoft recognizes that using our services is a choice you make, and you can change your mind at any time. If you need assistance with location-based experiences, [contact support](#).

- What is a location-based experience? ▾
- How is my location information used? ▾
- What location information is collected? ▾
- How can I see my location information? ▾
- Can anyone see where I am? ▲**

Sharing your location information is your choice. Your location information is yours and will not be sold or traded. Family Safety allows you to share your location with your family group, which you can stop doing at any time.
- What are the location controls in the Family safety app, and how can I opt out of these location-based experiences? ▾
- How is my data secure? ▾
- How can I delete my data? ▾
- How do I delete saved places? ▾

21

²¹ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

Add people to your family group

Microsoft account, Microsoft Family Safety

After [creating a family group](#), explore [Microsoft Family Safety](#) features and benefits by adding family members!

If someone is already part of a family group, they must [leave or be removed from that group](#) before joining another. They can also [create a new Microsoft account](#) to associate with a new family group. [Family organizers](#) can add family members by following the steps below.

Web	∨
Family Safety app	∨
Xbox	∨

22

Web



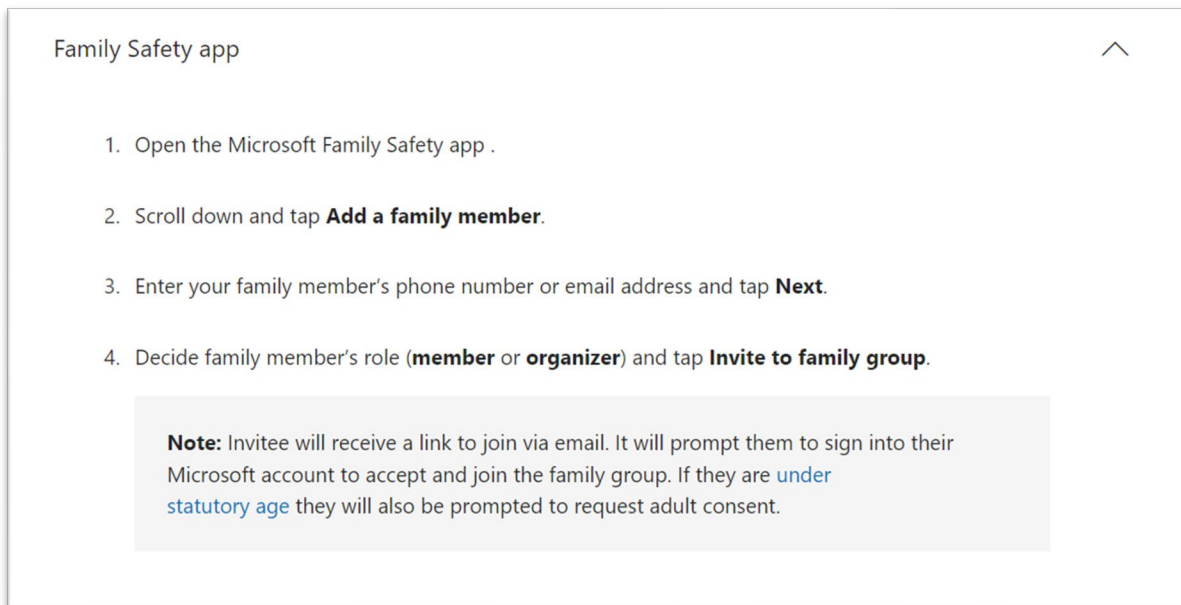
1. Using a web browser, visit family.microsoft.com. Sign into your Family Safety account.
2. Click **Add a family member**.
3. Enter family member's phone number or email address and click **Next**.
4. Decide family member's role (**member** or **organizer**) and click **Next > Invite**.

Note: Invitee will receive a link to join via email. It will prompt them to sign into their Microsoft account to accept and join the family group. If they are [under statutory age](#) they will also be prompted to request adult consent.

23

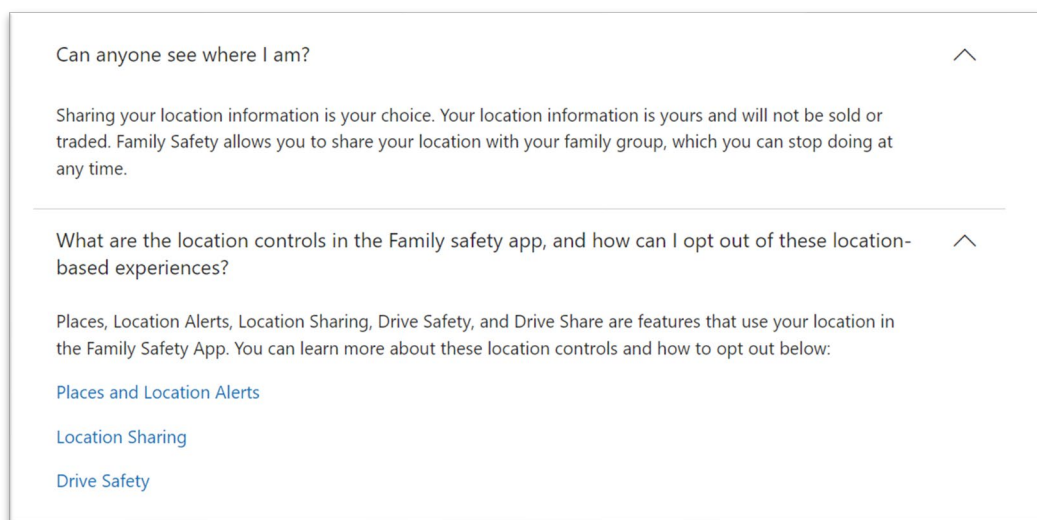
²² <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

²³ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>



24

41. The exemplary Accused Products are further programmed to facilitate participation in the group by communicating with a server and sending to and receiving location information, as depicted below:



25

²⁴ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

²⁵ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

Location sharing in device settings

Location sharing must first be enabled through each individual device's settings. *Processes may vary slightly based on device's current operating system, make, and model.*

iPhone/iOS

1. Open **Settings**.
2. Scroll down and tap **Family Safety**.
3. Tap **Location** > **Always**.
4. Turn on **Precise Location** toggle.

Android

1. Turn on [Google Location Accuracy](#).
2. **Battery optimization** is **Off**.
3. Location access is **Allowed**.

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²⁶ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>

Location sharing in app settings

After enabling location sharing through device settings, each family member can choose to share their location within their Family Safety app. This cannot be done remotely – each family member must follow the steps below individually from their Family Safety app to turn on location sharing.

iPhone/iOS ^

1. Open the Microsoft Family Safety app.
2. Tap the home icon in the top left corner and tap **Settings**.
3. Tap the logged in user (You).
4. Tap **Share your location**.
5. Turn on **Location sharing** toggle.

Android ^

1. Open the Microsoft Family Safety app.
2. Tap the menu icon in the top left corner and tap **Settings**.
3. Tap **Share your location**.
4. Turn on **Location sharing** toggle.

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42. This location information is presented on interactive displays on the exemplary Accused Products which include interactive maps and a plurality of user selectable symbols corresponding to other devices. These symbols are positioned on the map at positions corresponding to the locations of the other devices, as depicted below:

²⁷ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>

Find your family on a map

Microsoft account, Microsoft account dashboard

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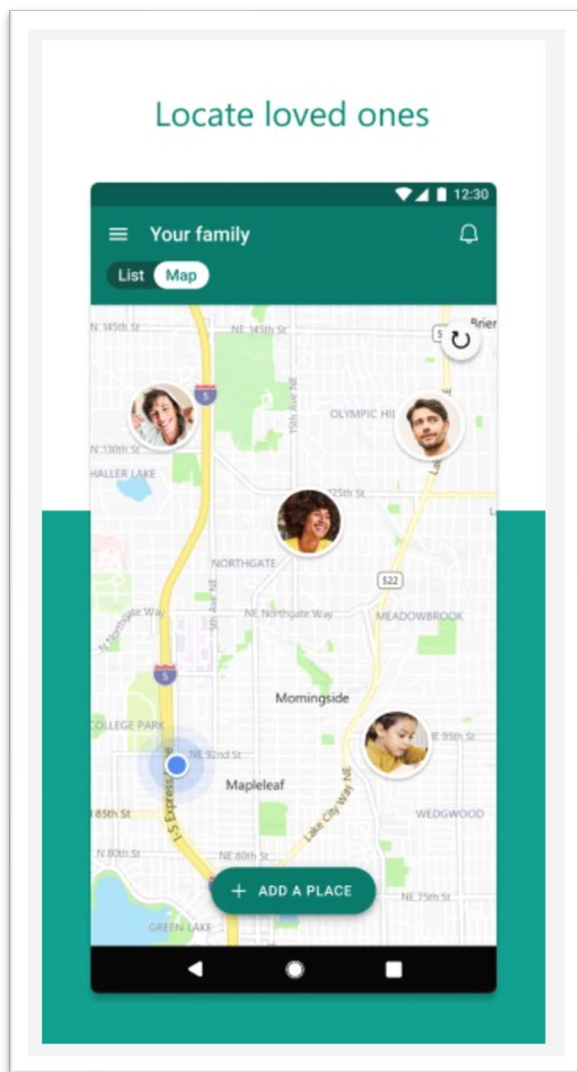
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28

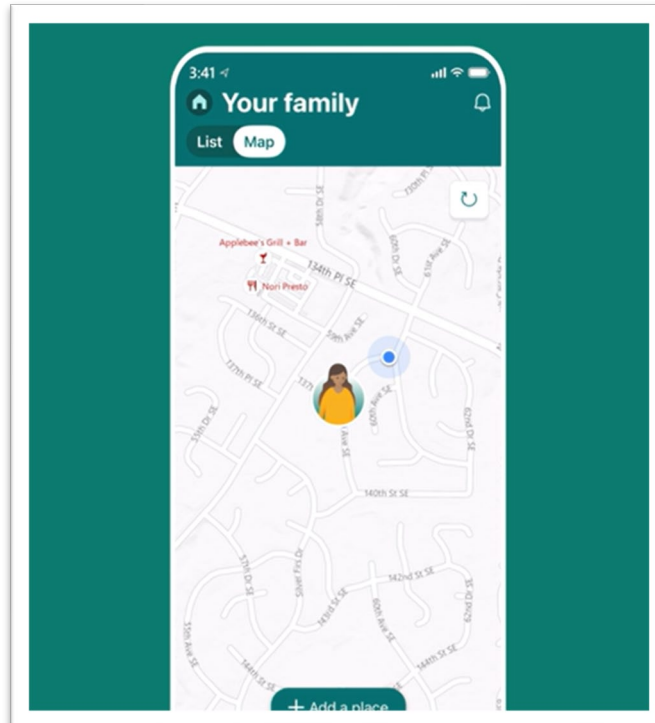
²⁸ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>



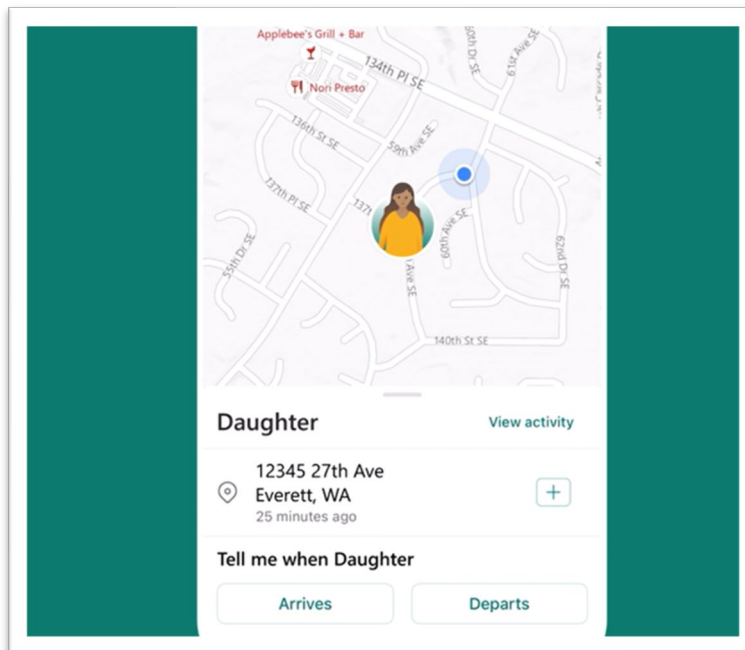
29

43. The exemplary Accused Products are programmed to permit users to request and display additional maps by, for example, moving the map screen and/or by selecting satellite image maps. The exemplary Accused Products are further programmed to permit interaction with the display where a user may select one or more symbols and where the exemplary Accused Products further permit data to be sent to other devices based on that interaction.

²⁹ <https://www.microsoft.com/en-us/microsoft-365/blog/2020/05/11/new-microsoft-family-safety-app-now-available-preview-ios-android/>



30



31

³⁰ <https://support.microsoft.com/en-au/topic/saved-places-and-location-alerts-97c31393-3863-6cf1-a290-950f89549fdc>

³¹ <https://support.microsoft.com/en-au/topic/saved-places-and-location-alerts-97c31393-3863-6cf1-a290-950f89549fdc>

44. The Accused Products, such as the Absolute Software and HP Wolf Protect applications, further include similar features and functionalities to Family Safety, and infringe in a substantially similar manner.³²

**Lost laptop? Stolen PC?
Absolute Home & Office is here to help**

Whether it's your personal computer, a laptop used for education or a fleet of small business machines, Absolute Home & Office can keep your device(s) and information safe. Locate, regain control of and in many cases even recover your missing or stolen computer using a combination of GPS, Wi-Fi, and IP geolocation technology

LOCATE	LOCK	DELETE	RECOVER	GUARANTEE
Map your laptop's location	Prevent use of your lost laptop	Protect your privacy remotely	Get your laptop and life back	Up to \$1,000 if not recovered

33

³² See, e.g., <https://homeoffice.absolute.com/>

³³ <https://homeoffice.absolute.com/>

Features and specs

Find Command: This command on your device allows ITDMs to quickly locate a missing device. Once the device appears on a map, you can decide to lock the device or erase it, protecting the data on the device from unauthorized access.

Lock Command: Use HP's most secure service solution with threshold cryptography to find, lock, and erase data from all of your HP devices, ensuring that your sensitive information is protected. HP Wolf Protect and Trace locks the device at the firmware level that prevents it from booting even if the drive was replaced. Additionally, by remote locking your PC, unauthorized users can no longer access your PC and files.¹³

Erase Command: Reliably protect data, manage your fleet of HP devices, and keep unauthorized users from accessing your files and documents on your network with HP Wolf Protect and Trace. Powered by HP TechPulse, HP Wolf Protect and Trace provides a complete hardware-enforced find, lock, erase service. When a PC is deemed unrecoverable by the ITDM, you can now erase the data and files to ensure data is destroyed and not accessed. HP Wolf Protect and Trace uses HP Secure Erase technology to erase all internal SSDs and HDDs safely and effectively on a device.




Persistence: HP Wolf Protect and Trace uses hardware-enforced persistence via HP Sure Run Gen4². If HP TechPulse is removed without authorization, HP Sure Run reinstalls the software automatically.

Threshold Cryptography: This allows ITDMs to assign multiple ITDM approvers holding partial keys to lock and erase a lost or stolen PC.

HP Wolf Protect and Trace is a service that is combined in some Care Pack options with HP Active Care.

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Mission critical capabilities

 <p>Threat Containment</p>	 <p>Lost or stolen hardware</p>	 <p>Printer resiliency</p>
<p>CPU-enforced malware prevention stops phishing and ransomware attacks, while reducing overall alert volume.</p> <p>More on Threat Containment ></p>	<p>Remotely locate, lock, and wipe a lost or stolen PC. HP Protect and Trace² protects data, reduces operational burden, and can eliminate breach notifications.</p> <p>More on Protect & Trace ></p>	<p>Continually monitors device for anomalous behavior and self-heals.</p> <p>More on protection & detection ></p>

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³⁴ <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>

³⁵ https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjw

45. AGIS Software has suffered damages as a result of Defendants' direct and indirect infringement of the '251 Patent in an amount to be proved at trial.

46. AGIS Software has suffered, and will continue to suffer, irreparable harm as a result of Defendants' infringement of the '251 Patent for which there is no adequate remedy at law unless Defendants' infringement is enjoined by this Court.

COUNT III
(Infringement of the '838 Patent)

47. Paragraphs 1 through 21 are incorporated herein by reference as if fully set forth in their entireties.

48. AGIS Software has not licensed or otherwise authorized Defendants to make, use, offer for sale, sell, distribute, export from, or import any products that embody the inventions of the '838 Patent.

49. Defendants have and continue to directly infringe at least claim 54 of the '838 Patent, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products without authority and in violation of 35 U.S.C. § 271(a).

50. Defendants have and continue to directly infringe at least claim 54 of the '838 Patent, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products without authority and in violation of 35 U.S.C. § 271(a).

51. Defendants have and continue to indirectly infringe at least claim 54 of the '838 Patent by actively, knowingly, and intentionally inducing others to directly infringe, either literally

or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products and by instructing users of the Accused Products to perform methods claimed in the '838 Patent. For example, Defendants, with knowledge that the Accused Products infringe the '838 Patent at least as of the date of this Complaint, actively, knowingly, and intentionally induced, and continue to actively, knowingly, and intentionally induce direct infringement of the '838 Patent.

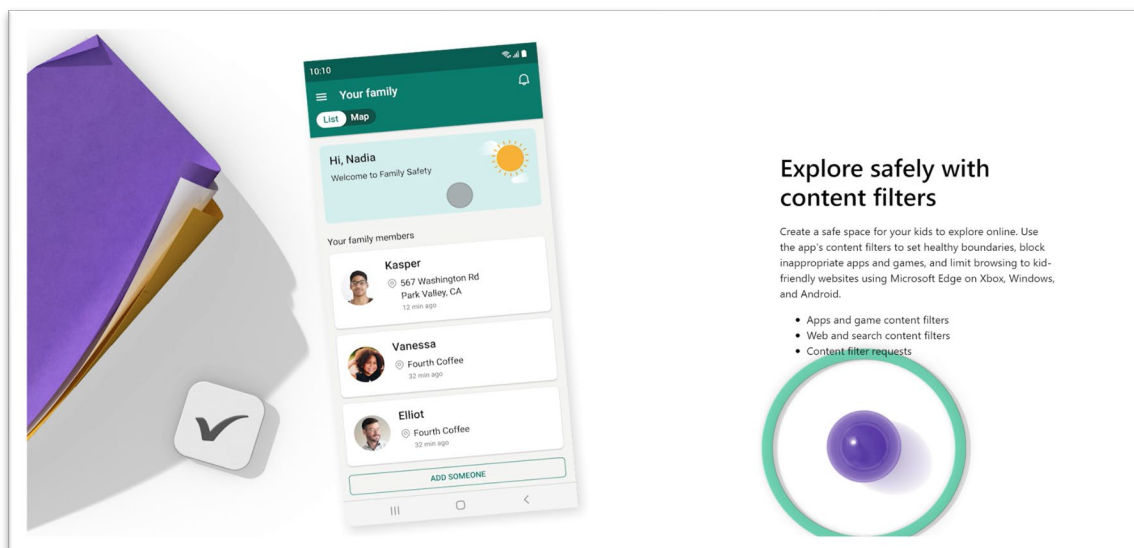
52. For example, Defendants have indirectly infringed and continue to indirectly infringe at least claim 54 of the '838 Patent in the United States because Defendants' customers use the Accused Products, including at least the Family Safety Application and/or services, alone or in conjunction with additional Accused Products, in accordance with Defendants' instructions and thereby directly infringe at least one claim of the '838 Patent in violation of 35 U.S.C. § 271. Defendants directly and/or indirectly intentionally instruct their customers to infringe through training videos, demonstrations, brochures, installations and/or user guides, such as those located at one or more of the following: <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>; <https://apps.microsoft.com/detail/9n7wszgck7m5?amp%3Bgl=US&hl=en-us&gl=US>; <https://www.hp.com/us-en/security/products/wolf-connect.html>; https://support.hp.com/us-en/document/ish_5029006-5029050-16; <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>; <https://h20195.www2.hp.com/v2/getpdf.aspx/c07634149.pdf>; <https://homeoffice.absolute.com/hp-protection/>; <https://www.youtube.com/watch?v=9WhRE63ab58>; <http://h10032.www1.hp.com/ctg/Manual/c04919369.pdf>; https://support.hp.com/lv-en/document/ish_5029006-5029050-16; <https://enterprisesecurity.hp.com/s/article/Protect-and->

trace-an-overview-of-Wolf-Protect-and-Trace; and Defendants' agents and representatives located within this Judicial District. Defendants are thereby liable for infringement of the '838 Patent under 35 U.S.C. § 271(b).

53. For example, Defendants' Accused Products allow users to share their locations and view other users' locations on a map and to communicate with those users via the Family Safety Application.

54. For example, the exemplary Accused Products allow users to establish groups and to exchange messages via interaction with servers which provide the Family Safety services, among other relevant services. The exemplary Accused Products further allow users to retrieve map information from multiple sources, including street-view maps.

55. The exemplary Accused Products are programmed to receive messages from other devices where those messages relate to joining groups, as depicted below:



36

³⁶ <https://www.microsoft.com/en-us/microsoft-365/family-safety?rtc=1>

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37

³⁷ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

Microsoft principles


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What is a location-based experience? 


How is my location information used? 


What location information is collected? 

How can I see my location information? 

Can anyone see where I am? 

Sharing your location information is your choice. Your location information is yours and will not be sold or traded. Family Safety allows you to share your location with your family group, which you can stop doing at any time.

What are the location controls in the Family safety app, and how can I opt out of these location-based experiences? 

How is my data secure? 

How can I delete my data? 

How do I delete saved places? 

38

³⁸ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

Add people to your family group

Microsoft account, Microsoft Family Safety

After [creating a family group](#), explore [Microsoft Family Safety](#) features and benefits by adding family members!

If someone is already part of a family group, they must [leave or be removed from that group](#) before joining another. They can also [create a new Microsoft account](#) to associate with a new family group. [Family organizers](#) can add family members by following the steps below.

Web	∨
Family Safety app	∨
Xbox	∨

39

Web



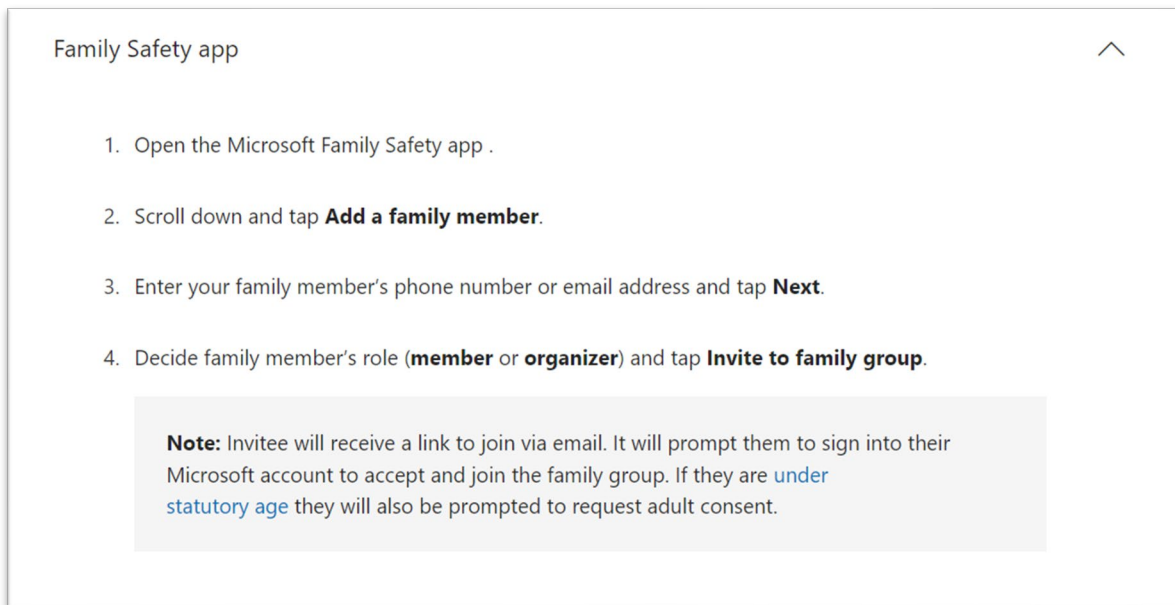
1. Using a web browser, visit family.microsoft.com. Sign into your Family Safety account.
2. Click **Add a family member**.
3. Enter family member's phone number or email address and click **Next**.
4. Decide family member's role (**member** or **organizer**) and click **Next > Invite**.

Note: Invitee will receive a link to join via email. It will prompt them to sign into their Microsoft account to accept and join the family group. If they are [under statutory age](#) they will also be prompted to request adult consent.

40

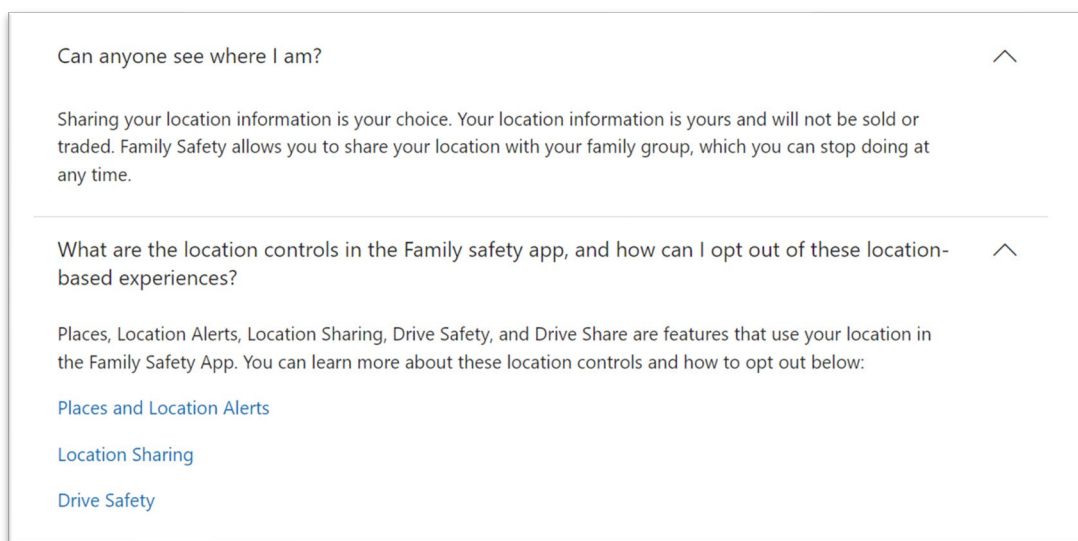
³⁹ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

⁴⁰ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>



41

56. The exemplary Accused Products are further programmed to facilitate participation in the group by communicating with a server and sending to and receiving location information, as depicted below:



42

⁴¹ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

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Location sharing in device settings

Location sharing must first be enabled through each individual device's settings. *Processes may vary slightly based on device's current operating system, make, and model.*

iPhone/iOS

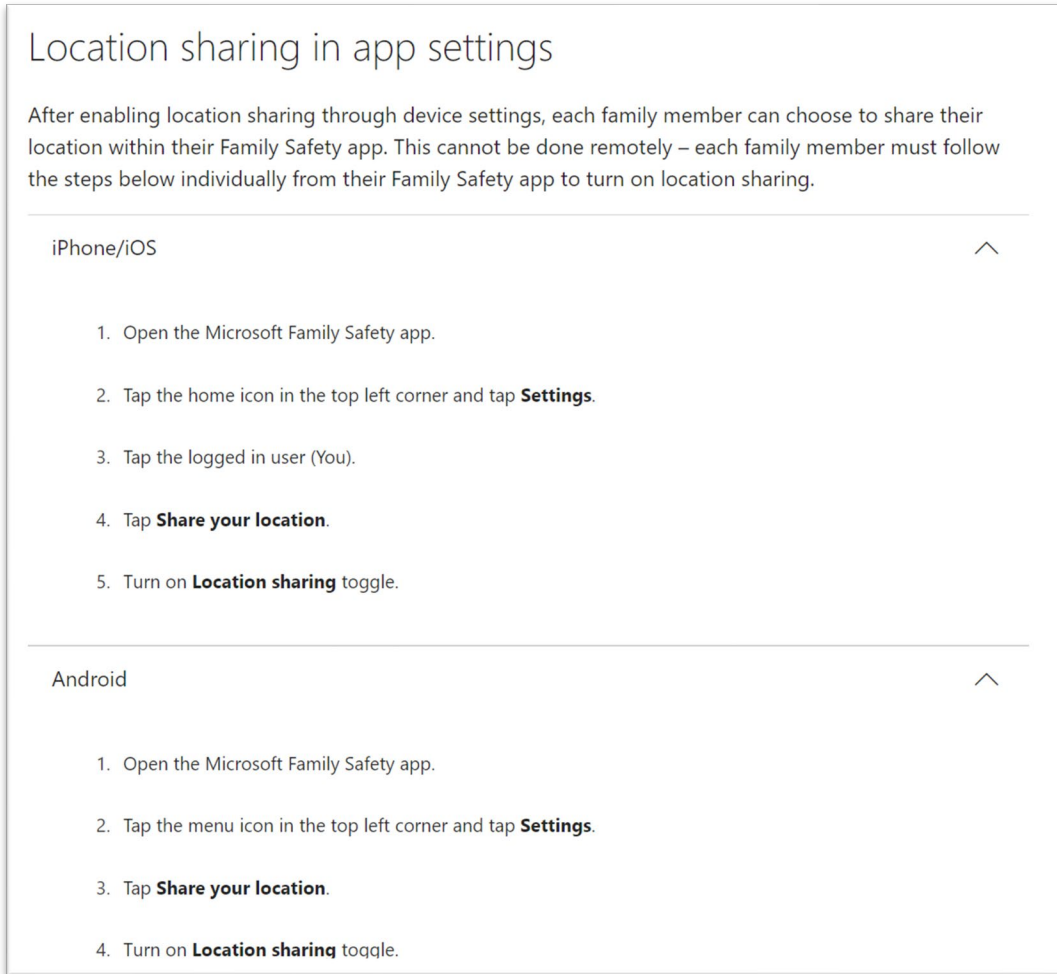
1. Open **Settings**.
2. Scroll down and tap **Family Safety**.
3. Tap **Location** > **Always**.
4. Turn on **Precise Location** toggle.

Android

1. Turn on [Google Location Accuracy](#).
2. **Battery optimization** is **Off**.
3. Location access is **Allowed**.

43

⁴³ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>



44

57. This location information is presented on interactive displays on the exemplary Accused Products which include interactive maps and a plurality of user selectable symbols corresponding to other devices. These symbols are positioned on the map at positions corresponding to the locations of the other devices, as depicted below:

⁴⁴ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>

Find your family on a map

Microsoft account, Microsoft account dashboard

Important: Location and driving safety features in Microsoft Family Safety are going away. [Learn more.](#)

Wondering whether a family member is on their way home or still finishing up at practice? Is someone caught in a traffic delay and running late for dinner? Skip the constant check-ins and view family members' locations in real time on the Microsoft Family Safety map!

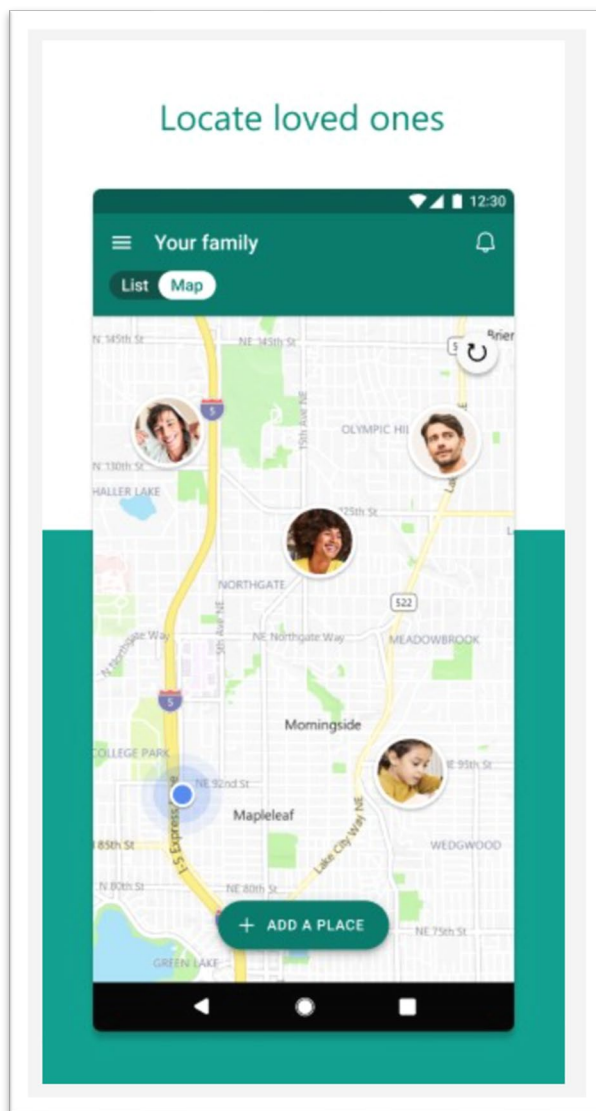
Family Safety's free in-app map feature can be accessed online at family.microsoft.com and in the Family Safety mobile app, available for download in the [Google Play store](#) or [App Store for iPhone](#). *Map features are available on Android and iOS devices.*

In order to begin using Family Safety features, family members must first [enable location sharing](#) in their own [connected device](#) settings and in the Family Safety app.

Once location sharing permissions are allowed, explore other premium location features with a [Microsoft 365 subscription](#), including [drive safety](#), [location alerts](#) and more!

45

⁴⁵ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>



46

58. The exemplary Accused Products are programmed to permit users to request and display additional maps by, for example, moving the map screen and/or by selecting satellite image maps. The exemplary Accused Products are further programmed to permit interaction with the display where a user may select one or more symbols and where the exemplary Accused Products further permit data to be sent to other devices based on that interaction.

⁴⁶ <https://www.microsoft.com/en-us/microsoft-365/blog/2020/05/11/new-microsoft-family-safety-app-now-available-preview-ios-android/>

59. The Accused Products, such as the Absolute Software and HP Wolf Protect applications, further includes similar features and functionalities to Family Safety, and infringe in a substantially similar manner.⁴⁷

**Lost laptop? Stolen PC?
Absolute Home & Office is here to help**

Whether it's your personal computer, a laptop used for education or a fleet of small business machines, Absolute Home & Office can keep your device(s) and information safe. Locate, regain control of and in many cases even recover your missing or stolen computer using a combination of GPS, Wi-Fi, and IP geolocation technology

LOCATE	LOCK	DELETE	RECOVER	GUARANTEE
Map your laptop's location	Prevent use of your lost laptop	Protect your privacy remotely	Get your laptop and life back	Up to \$1,000 if not recovered

48

⁴⁷ See, e.g., <https://homeoffice.absolute.com/>

⁴⁸ <https://homeoffice.absolute.com/>

Features and specs

Find Command: This command on your device allows ITDMs to quickly locate a missing device. Once the device appears on a map, you can decide to lock the device or erase it, protecting the data on the device from unauthorized access.

Lock Command: Use HP's most secure service solution with threshold cryptography to find, lock, and erase data from all of your HP devices, ensuring that your sensitive information is protected. HP Wolf Protect and Trace locks the device at the firmware level that prevents it from booting even if the drive was replaced. Additionally, by remote locking your PC, unauthorized users can no longer access your PC and files.¹³

Erase Command: Reliably protect data, manage your fleet of HP devices, and keep unauthorized users from accessing your files and documents on your network with HP Wolf Protect and Trace. Powered by HP TechPulse, HP Wolf Protect and Trace provides a complete hardware-enforced find, lock, erase service. When a PC is deemed unrecoverable by the ITDM, you can now erase the data and files to ensure data is destroyed and not accessed. HP Wolf Protect and Trace uses HP Secure Erase technology to erase all internal SSDs and HDDs safely and effectively on a device.

Persistence: HP Wolf Protect and Trace uses hardware-enforced persistence via HP Sure Run Gen4². If HP TechPulse is removed without authorization, HP Sure Run reinstalls the software automatically.




Threshold Cryptography: This allows ITDMs to assign multiple ITDM approvers holding partial keys to lock and erase a lost or stolen PC.

HP Wolf Protect and Trace is a service that is combined in some Care Pack options with HP Active Care.

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⁴⁹ <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>

Mission critical capabilities

 <p>Threat Containment</p>	 <p>Lost or stolen hardware</p>	 <p>Printer resiliency</p>
<p>CPU-enforced malware prevention stops phishing and ransomware attacks, while reducing overall alert volume.</p> <p>More on Threat Containment ></p>	<p>Remotely locate, lock, and wipe a lost or stolen PC. HP Protect and Trace² protects data, reduces operational burden, and can eliminate breach notifications.</p> <p>More on Protect & Trace ></p>	<p>Continually monitors device for anomalous behavior and self-heals.</p> <p>More on protection & detection ></p>

50

60. AGIS Software has suffered damages as a result of Defendants’ direct and indirect infringement of the ’838 Patent in an amount to be proved at trial.

61. AGIS Software has suffered, and will continue to suffer, irreparable harm as a result of Defendants’ infringement of the ’838 Patent for which there is no adequate remedy at law unless Defendants’ infringement is enjoined by this Court.

COUNT IV **(Infringement of the ’123 Patent)**

62. Paragraphs 1 through 21 are incorporated herein by reference as if fully set forth in their entireties.

63. AGIS Software has not licensed or otherwise authorized Defendants to make, use, offer for sale, sell, distribute, export from, or import any products that embody the inventions of the ’123 Patent.

⁵⁰ https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjwNi0BhA1EiwAWZaANCBmWbkcabhvcGxhOb63do7fFEDGipTa6581ZV8r-KWjsxWozy7_oBoCFUIQAvD_BwE&gclsrc=aw.ds

64. Defendants have and continue to directly infringe at least claim 23 of the '123 Patent, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products without authority and in violation of 35 U.S.C. § 271(a).

65. Defendants have and continue to indirectly infringe at least claim 23 of the '123 Patent by actively, knowingly, and intentionally inducing others to directly infringe, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the infringing Accused Products and by instructing users of the Accused Products to perform at least the method of claim 23 in the '123 Patent. For example, Defendants, with knowledge that the Accused Products infringe the '123 Patent at least as of the date of this Complaint, actively, knowingly, and intentionally induced, and continues to actively, knowingly, and intentionally induce direct infringement of at least claim 23 of the '123 Patent in violation of 35 U.S.C. § 271(b). Alternatively, Defendants believed there was a high probability that others would infringe the '123 Patent but remained willfully blind to the infringing nature of others' actions.

66. For example, Defendants have indirectly infringed and continue to indirectly infringe at least claim 23 of the '123 Patent in the United States because Defendants' customers use the Accused Products, including at least the Family Safety Applications and/or services or the Accused Products with the Family Safety Applications and/or services, alone or in conjunction with additional Accused Products, in accordance with Defendants' instructions and thereby directly infringe at least one claim of the '123 Patent in violation of 35 U.S.C. § 271. Defendant directly and/or indirectly intentionally instructs their customers to infringe through training videos, demonstrations, brochures, installations and/or user guides, such as those located at one or more

of the following: <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>;
<https://apps.microsoft.com/detail/9n7wszgck7m5?amp%3Bgl=US&hl=en-us&gl=US>;
<https://www.hp.com/us-en/security/products/wolf-connect.html>; https://support.hp.com/us-en/document/ish_5029006-5029050-16;
<https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>;
<https://h20195.www2.hp.com/v2/getpdf.aspx/c07634149.pdf>;
<https://homeoffice.absolute.com/hp-protection/>;
<https://www.youtube.com/watch?v=9WhRE63ab58>;
<http://h10032.www1.hp.com/ctg/Manual/c04919369.pdf>; https://support.hp.com/lv-en/document/ish_5029006-5029050-16; <https://enterprisesecurity.hp.com/s/article/Protect-and-trace-an-overview-of-Wolf-Protect-and-Trace>; and Defendants' agents and representatives located within this Judicial District. Defendants are thereby liable for infringement of the '123 Patent under 35 U.S.C. § 271(b).

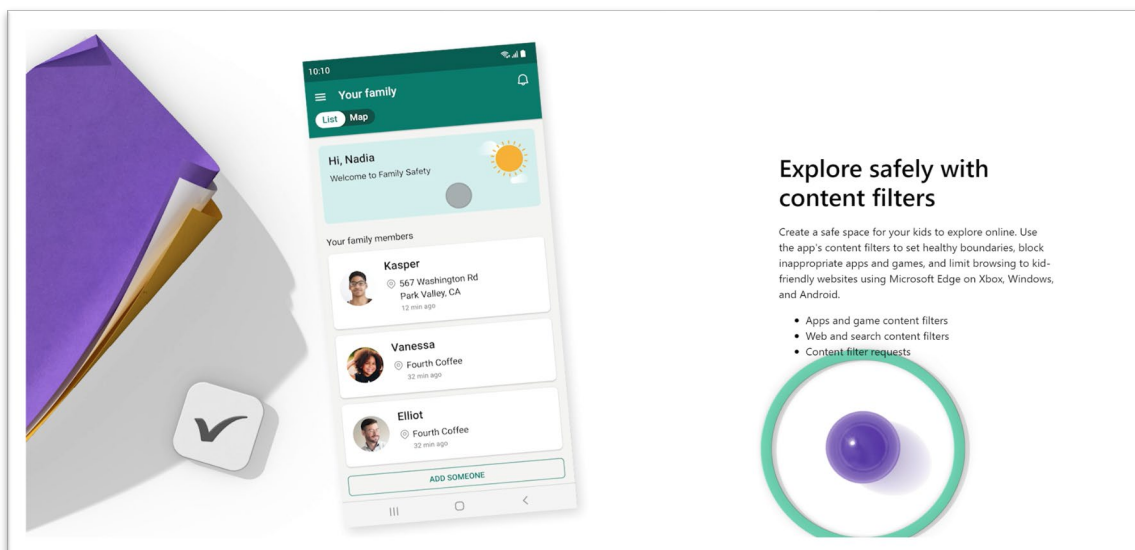
67. Alternatively, Defendants believed there was a high probability that others would infringe the '123 Patent but remained willfully blind to the infringing nature of others' actions. For example, Defendants directly infringe and/or indirectly infringe by instructing their customers to infringe by a system comprising: a first device programmed to perform operations comprising: receiving a message sent by a second device, wherein the message relates to joining a group; based on receipt of the message sent by the second device, sending first location information to a first server and receiving second location information from the first server, the first location information comprising a location of the first device, the second location information comprising one or more locations of one or more respective second devices included in the group; sending, from the first device to a second server, a request for georeferenced map data; receiving, from the

second server, the georeferenced map data; presenting, via an interactive display of the first device, a georeferenced map and one or more user-selectable symbols corresponding to one or more of the second devices, wherein the symbols are positioned on the georeferenced map at respective positions corresponding to the locations of the second devices represented by the symbols, and wherein the georeferenced map data relate positions on the georeferenced map to spatial coordinates; and identifying user interaction with the interactive display selecting a particular user-selectable symbol corresponding to a particular second device and user interaction with the display specifying an action and, based thereon, using an Internet Protocol to send data to the particular second device, wherein identifying the user interaction selecting the particular user-selectable symbol comprises: detecting user selection of a portion of the interactive display corresponding to a position on the georeferenced map, and identifying the particular user-selectable symbol based, at least in part, on coordinates of the selected position, comprising: searching a set of symbols for a symbol located nearest to the coordinates of the selected position, wherein the set of symbols includes the user-selectable symbols corresponding to the second devices in the group, and wherein data associated with the set of symbols include coordinates of portions of the display corresponding to the symbols in the set, and based on a result of searching the set of symbols, identifying the particular user-selectable symbol as the symbol located nearest to the coordinates of the selected position, wherein the particular user-selectable symbol corresponds to the particular second device. For example, the Accused Products include features, as shown below.

68. For example, Defendants' Accused Products allow users to share their locations and view other users' locations on a map and to communicate with those users via the Family Safety Application.

69. Additionally, the exemplary Accused Products allow users to establish groups and to exchange messages via interaction with servers which provide the Family Safety services, among other relevant services. The exemplary Accused Products further allow users to retrieve map information from multiple sources including street-view maps, as well as satellite renderings.

70. The exemplary Accused Products are programmed to form and join groups by transmitting messages:



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⁵¹ <https://www.microsoft.com/en-us/microsoft-365/family-safety?rtc=1>

Find your family on a map

Microsoft account, Microsoft account dashboard

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Wondering whether a family member is on their way home or still finishing up at practice? Is someone caught in a traffic delay and running late for dinner? Skip the constant check-ins and view family members' locations in real time on the Microsoft Family Safety map!

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In order to begin using Family Safety features, family members must first [enable location sharing](#) in their own [connected device](#) settings and in the Family Safety app.


Once location sharing permissions are allowed, explore other premium location features with a [Microsoft 365 subscription](#), including [drive safety](#), [location alerts](#) and more!


52

⁵² <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

Microsoft principles


"Your data, powering your experiences, controlled by you." We adhere to CEO Satya Nadella's words and [Microsoft privacy](#) principles while providing location-based experiences across the Microsoft products you enjoy. Microsoft recognizes that using our services is a choice you make, and you can change your mind at any time. If you need assistance with location-based experiences, [contact support](#).

What is a location-based experience? 


How is my location information used? 


What location information is collected? 

How can I see my location information? 

Can anyone see where I am? 

Sharing your location information is your choice. Your location information is yours and will not be sold or traded. Family Safety allows you to share your location with your family group, which you can stop doing at any time.

What are the location controls in the Family safety app, and how can I opt out of these location-based experiences? 

How is my data secure? 

How can I delete my data? 

How do I delete saved places? 

53

⁵³ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

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Web	∨
Family Safety app	∨
Xbox	∨

54

Web



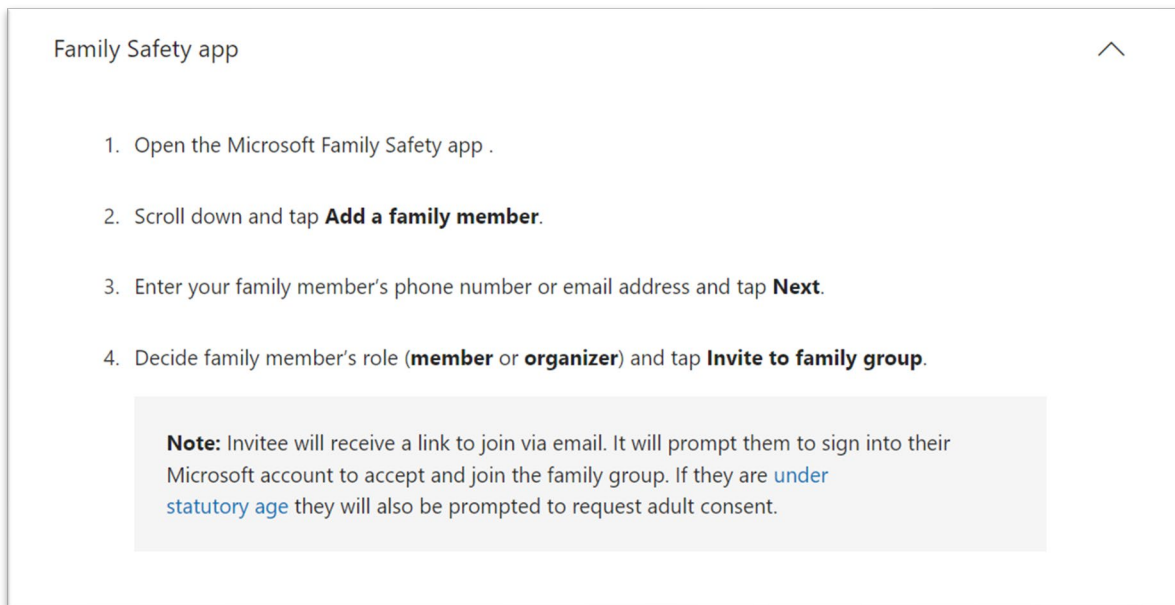
1. Using a web browser, visit family.microsoft.com. Sign into your Family Safety account.
2. Click **Add a family member**.
3. Enter family member's phone number or email address and click **Next**.
4. Decide family member's role (**member** or **organizer**) and click **Next > Invite**.

Note: Invitee will receive a link to join via email. It will prompt them to sign into their Microsoft account to accept and join the family group. If they are [under statutory age](#) they will also be prompted to request adult consent.

55

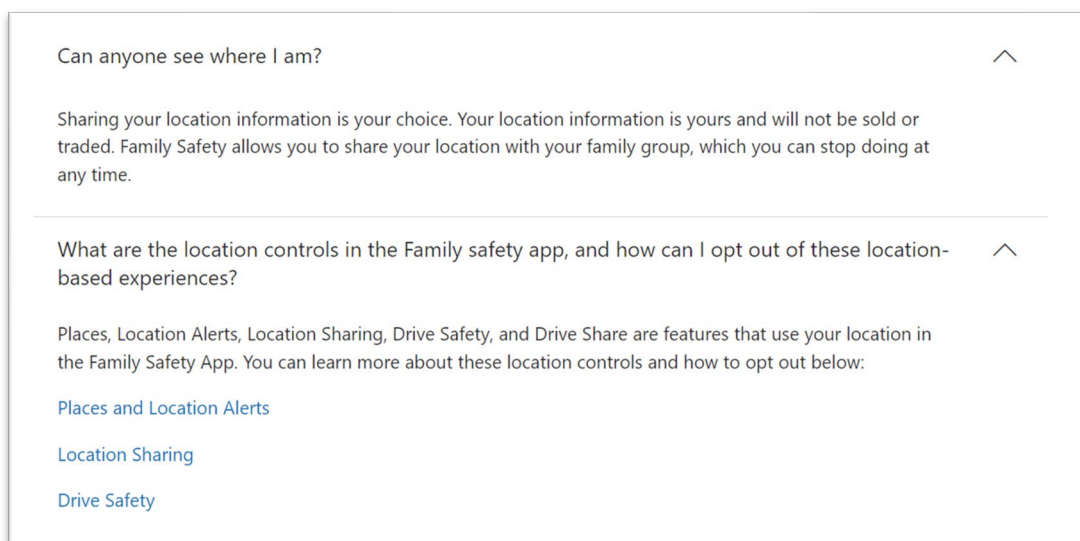
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⁵⁵ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>



56

71. The exemplary Accused Products are further programmed to facilitate participation in the groups by communicating with one or more servers and sending to and receiving location information, as depicted below:



57

⁵⁶ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

⁵⁷ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

Location sharing in device settings

Location sharing must first be enabled through each individual device's settings. *Processes may vary slightly based on device's current operating system, make, and model.*

iPhone/iOS

1. Open **Settings**.
2. Scroll down and tap **Family Safety**.
3. Tap **Location** > **Always**.
4. Turn on **Precise Location** toggle.

Android

1. Turn on [Google Location Accuracy](#).
2. **Battery optimization** is **Off**.
3. Location access is **Allowed**.

58

⁵⁸ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>

Location sharing in app settings

After enabling location sharing through device settings, each family member can choose to share their location within their Family Safety app. This cannot be done remotely – each family member must follow the steps below individually from their Family Safety app to turn on location sharing.

iPhone/iOS ^

1. Open the Microsoft Family Safety app.
2. Tap the home icon in the top left corner and tap **Settings**.
3. Tap the logged in user (You).
4. Tap **Share your location**.
5. Turn on **Location sharing** toggle.

Android ^

1. Open the Microsoft Family Safety app.
2. Tap the menu icon in the top left corner and tap **Settings**.
3. Tap **Share your location**.
4. Turn on **Location sharing** toggle.

59

72. The location information is presented on interactive displays on the exemplary Accused Products which include interactive maps and a plurality of user selectable symbols corresponding to other devices. The symbols are positioned on the map at positions corresponding to the locations of the other devices, as depicted below:

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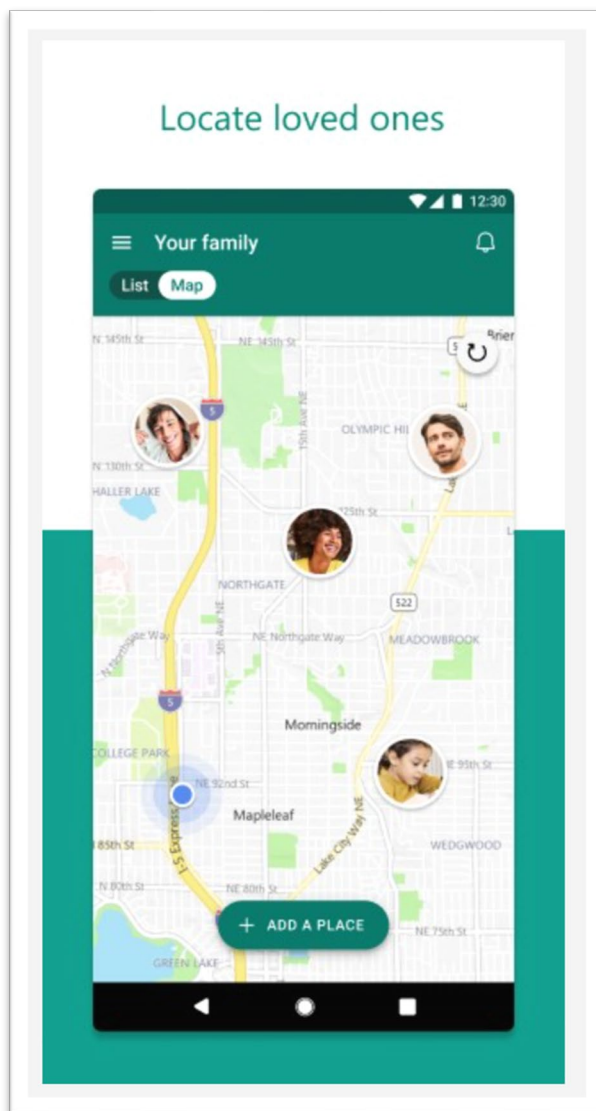
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61

73. The exemplary Accused Products are further programmed to permit users to request and display additional maps from additional servers by, for example, moving the map screen and/or by selecting satellite images or other types of maps. The exemplary Accused Products are further programmed to permit interaction with the display where a user may select one or more

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symbols and where the exemplary Accused Products further permit data to be sent to other devices based on that interaction.

74. The Accused Products, such as the Absolute Software and HP Wolf Protect applications, further include similar features and functionalities to Family Safety, and infringe in a substantially similar manner.⁶²

**Lost laptop? Stolen PC?
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Whether it's your personal computer, a laptop used for education or a fleet of small business machines, Absolute Home & Office can keep your device(s) and information safe. Locate, regain control of and in many cases even recover your missing or stolen computer using a combination of GPS, Wi-Fi, and IP geolocation technology

LOCATE	LOCK	DELETE	RECOVER	GUARANTEE
Map your laptop's location	Prevent use of your lost laptop	Protect your privacy remotely	Get your laptop and life back	Up to \$1,000 if not recovered

63

⁶² See, e.g., <https://homeoffice.absolute.com/>

⁶³ <https://homeoffice.absolute.com/>

Features and specs

Find Command: This command on your device allows ITDMs to quickly locate a missing device. Once the device appears on a map, you can decide to lock the device or erase it, protecting the data on the device from unauthorized access.

Lock Command: Use HP's most secure service solution with threshold cryptography to find, lock, and erase data from all of your HP devices, ensuring that your sensitive information is protected. HP Wolf Protect and Trace locks the device at the firmware level that prevents it from booting even if the drive was replaced. Additionally, by remote locking your PC, unauthorized users can no longer access your PC and files.¹³

Erase Command: Reliably protect data, manage your fleet of HP devices, and keep unauthorized users from accessing your files and documents on your network with HP Wolf Protect and Trace. Powered by HP TechPulse, HP Wolf Protect and Trace provides a complete hardware-enforced find, lock, erase service. When a PC is deemed unrecoverable by the ITDM, you can now erase the data and files to ensure data is destroyed and not accessed. HP Wolf Protect and Trace uses HP Secure Erase technology to erase all internal SSDs and HDDs safely and effectively on a device.

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Threshold Cryptography: This allows ITDMs to assign multiple ITDM approvers holding partial keys to lock and erase a lost or stolen PC.

HP Wolf Protect and Trace is a service that is combined in some Care Pack options with HP Active Care.

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⁶⁴ <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>

Mission critical capabilities

 <p>Threat Containment</p>	 <p>Lost or stolen hardware</p>	 <p>Printer resiliency</p>
<p>CPU-enforced malware prevention stops phishing and ransomware attacks, while reducing overall alert volume.</p> <p>More on Threat Containment ></p>	<p>Remotely locate, lock, and wipe a lost or stolen PC. HP Protect and Trace² protects data, reduces operational burden, and can eliminate breach notifications.</p> <p>More on Protect & Trace ></p>	<p>Continually monitors device for anomalous behavior and self-heals.</p> <p>More on protection & detection ></p>

65

75. AGIS Software has suffered damages as a result of Defendants’ direct and indirect infringement of the ’123 Patent in an amount to be proved at trial.

76. AGIS Software has suffered, and will continue to suffer, irreparable harm as a result of Defendants’ infringement of the ’123 Patent for which there is no adequate remedy at law unless Defendants’ infringement is enjoined by this Court.

COUNT V **(Infringement of the ’829 Patent)**

77. Paragraphs 1 through 21 are incorporated herein by reference as if fully set forth in their entireties.

78. AGIS Software has not licensed or otherwise authorized Defendants to make, use offer for sale, sell, distribute, export from, or import any products that embody the inventions of the ’829 Patent.

⁶⁵ https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjwNi0BhA1EiwAWZaANCBmWbkcabhvcGxhOb63do7fFEDGipTa6581ZV8r-KWjsxWozy7_oBoCFUIQAvD_BwE&gclsrc=aw.ds

79. Defendants have and continue to directly infringe at least claim 34 of the '839 Patent, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the Accused Products without authority and in violation of 35 U.S.C. § 271(a).

80. Defendants have and continue to indirectly infringe at least claim 34 of the '829 Patent by actively, knowingly, and intentionally inducing others to directly infringe, either literally or under the doctrine of equivalents, by making, using, selling, offering for sale, distributing, exporting from, and/or importing into the United States the infringing Accused Products and by instructing users of the Accused Products to perform at least the method of claim 34 in the '829 Patent. For example, Defendants, with knowledge that the Accused Products infringe the '829 Patent at least as of the date of this Complaint, actively, knowingly, and intentionally induced, and continue to actively, knowingly, and intentionally induce direct infringement of at least claim 34 of the '829 Patent in violation of 35 U.S.C. § 271(b). Alternatively, Defendants believed there was a high probability that others would infringe the '829 Patent but remained willfully blind to the infringing nature of others' actions.

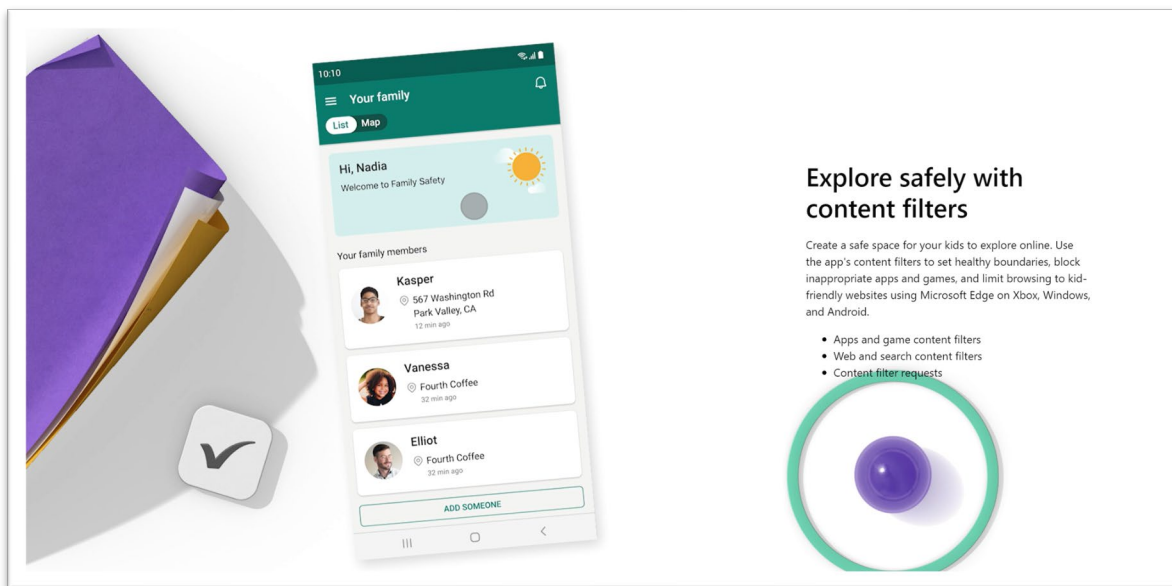
81. For example, Defendants have indirectly infringed and continue to indirectly infringe at least claim 34 of the '829 Patent in the United States because Defendants' customers use the Accused Products, including at least the Family Safety Applications and/or services, alone or in conjunction with additional Accused Products, in accordance with Defendants' instructions and thereby directly infringe at least one claim of the '829 Patent in violation of 35 U.S.C. § 271. Defendant directly and/or indirectly intentionally instructs their customers to infringe through training videos, demonstrations, brochures, installations and/or user guides, such as those located at one or more of the following: <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8->

0360enw.pdf; <https://apps.microsoft.com/detail/9n7wszgck7m5?amp%3Bgl=US&hl=en-us&gl=US>;
<https://www.hp.com/us-en/security/products/wolf-connect.html>;
https://support.hp.com/us-en/document/ish_5029006-5029050-16;
<https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3324ENW>;
<https://h20195.www2.hp.com/v2/getpdf.aspx/c07634149.pdf>;
<https://homeoffice.absolute.com/hp-protection/>;
<https://www.youtube.com/watch?v=9WhRE63ab58>;
<http://h10032.www1.hp.com/ctg/Manual/c04919369.pdf>; https://support.hp.com/lv-en/document/ish_5029006-5029050-16; <https://enterprisesecurity.hp.com/s/article/Protect-and-trace-an-overview-of-Wolf-Protect-and-Trace>; and through Defendants' agents and representatives located within this Judicial District. Defendants are thereby liable for infringement of the '829 Patent under 35 U.S.C. § 271(b).

82. Alternatively, Defendants believed there was a high probability that others would infringe the '829 Patent but remained willfully blind to the infringing nature of others' actions. For example, Defendants directly infringe and/or indirectly infringe by instructing their customers to infringe by a system comprising: a second device programmed to perform operations comprising: receiving from a first device via a first server, a request to join a group, wherein the group includes the first device; sending, to the first server, an indication of acceptance of the request, wherein the first server is configured to join the first device to the group based on the acceptance of the request, and wherein joining the first device to the group comprises authorizing the first device to repeatedly share device location information and repeatedly engage in remote control operations with each device included in the group; sending a first message to the first server, wherein the first message comprises data identifying the first device and a request for a

first updated location of the first device, and wherein the first server is configured to send a second message to the first device based on and in response to receiving the first message from the second device, wherein the second message comprises a request for the first updated location of the first device; after sending the first message, receiving, from the first server, a response to the first message, the response including first location information comprising the first updated location of the first device; receiving from a second server, georeferenced map data; presenting, via a display of the second device, a georeferenced map based on the georeferenced map data and a symbol corresponding to the first device; wherein the symbol is positioned on the georeferenced map at a first position corresponding to the first updated location of the first device, and wherein the georeferenced map data relate positions on the georeferenced map to spatial coordinates; after receiving the first location information and the georeferenced map data, and after presenting the georeferenced map and the symbol positioned on the georeferenced map at the first position corresponding to the first updated location of the first device, receiving second location information comprising a second updated location of the first device from the first server, and using the server-provided georeferenced map data and the second location information to reposition the symbol on the georeferenced map at a second position corresponding to the second updated location of the first device; and identifying user interaction with the display specifying an action and, based thereon, sending, to the first server, a third message related to remotely controlling the first device to perform an action, wherein the first server is configured to send a fourth message to the first device based on receiving the third message from the second device, wherein the fourth message relates to remotely controlling the first device to perform the action, and wherein the first device is configured to perform the action based on receiving the fourth message. For example, the Accused Products include features, as shown below.

83. For example, Defendants' Accused Products allow users to share their locations and view other users' locations on a map and to communicate with those users via the Family Safety Application:



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⁶⁶ <https://www.microsoft.com/en-us/microsoft-365/family-safety?rtc=1>

Find your family on a map

Microsoft account, Microsoft account dashboard

Important: Location and driving safety features in Microsoft Family Safety are going away. [Learn more.](#)

Wondering whether a family member is on their way home or still finishing up at practice? Is someone caught in a traffic delay and running late for dinner? Skip the constant check-ins and view family members' locations in real time on the Microsoft Family Safety map!

Family Safety's free in-app map feature can be accessed online at family.microsoft.com and in the Family Safety mobile app, available for download in the [Google Play store](#) or [App Store for iPhone](#). *Map features are available on Android and iOS devices.*

In order to begin using Family Safety features, family members must first [enable location sharing](#) in their own [connected device](#) settings and in the Family Safety app.

Once location sharing permissions are allowed, explore other premium location features with a [Microsoft 365 subscription](#), including [drive safety](#), [location alerts](#) and more!

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⁶⁷ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

Microsoft principles

"Your data, powering your experiences, controlled by you." We adhere to CEO Satya Nadella's words and [Microsoft privacy](#) principles while providing location-based experiences across the Microsoft products you enjoy. Microsoft recognizes that using our services is a choice you make, and you can change your mind at any time. If you need assistance with location-based experiences, [contact support](#).

What is a location-based experience?	∨
How is my location information used?	∨
What location information is collected?	∨
How can I see my location information?	∨
Can anyone see where I am?	∧
Sharing your location information is your choice. Your location information is yours and will not be sold or traded. Family Safety allows you to share your location with your family group, which you can stop doing at any time.	
What are the location controls in the Family safety app, and how can I opt out of these location-based experiences?	∨
How is my data secure?	∨
How can I delete my data?	∨
How do I delete saved places?	∨

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⁶⁸ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

Add people to your family group

Microsoft account, Microsoft Family Safety

After [creating a family group](#), explore [Microsoft Family Safety](#) features and benefits by adding family members!

If someone is already part of a family group, they must [leave or be removed from that group](#) before joining another. They can also [create a new Microsoft account](#) to associate with a new family group. [Family organizers](#) can add family members by following the steps below.

Web	∨
Family Safety app	∨
Xbox	∨

69

Web

∧

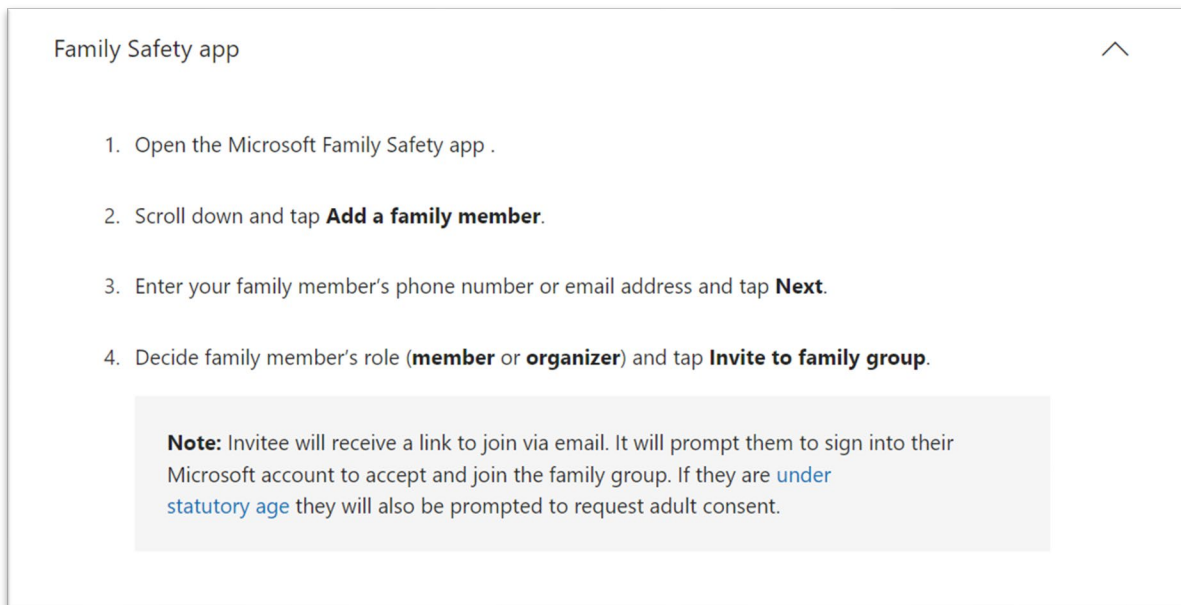
1. Using a web browser, visit family.microsoft.com. Sign into your Family Safety account.
2. Click **Add a family member**.
3. Enter family member's phone number or email address and click **Next**.
4. Decide family member's role (**member** or **organizer**) and click **Next > Invite**.

Note: Invitee will receive a link to join via email. It will prompt them to sign into their Microsoft account to accept and join the family group. If they are [under statutory age](#) they will also be prompted to request adult consent.

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⁶⁹ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

⁷⁰ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

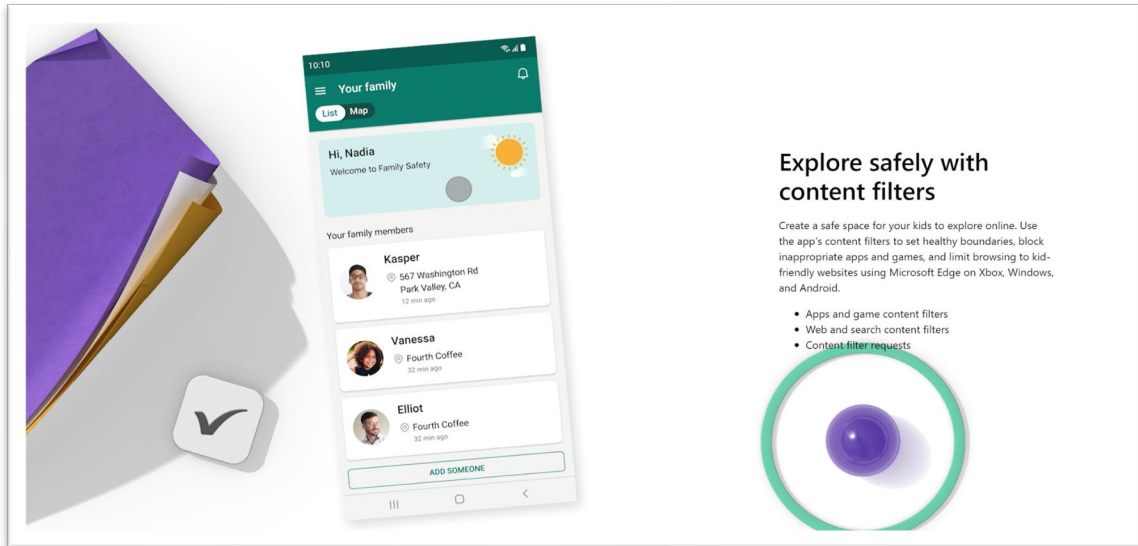


71

84. Additionally, the exemplary Accused Products allow users to establish groups and to exchange messages via interaction with servers which provide the Family Safety Application services, among other relevant services.

85. The exemplary Accused Products are programmed to form and join groups by transmitting messages:

⁷¹ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>



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Find your family on a map

Microsoft account, Microsoft account dashboard

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Once location sharing permissions are allowed, explore other premium location features with a [Microsoft 365 subscription](#), including [drive safety](#), [location alerts](#) and more!


73


⁷² <https://www.microsoft.com/en-us/microsoft-365/family-safety?rtc=1>

⁷³ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

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What is a location-based experience? 


How is my location information used? 


What location information is collected? 

How can I see my location information? 

Can anyone see where I am? 

Sharing your location information is your choice. Your location information is yours and will not be sold or traded. Family Safety allows you to share your location with your family group, which you can stop doing at any time.

What are the location controls in the Family safety app, and how can I opt out of these location-based experiences? 

How is my data secure? 

How can I delete my data? 

How do I delete saved places? 

74

⁷⁴ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

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If someone is already part of a family group, they must [leave or be removed from that group](#) before joining another. They can also [create a new Microsoft account](#) to associate with a new family group. [Family organizers](#) can add family members by following the steps below.

Web	∨
Family Safety app	∨
Xbox	∨

75

Web



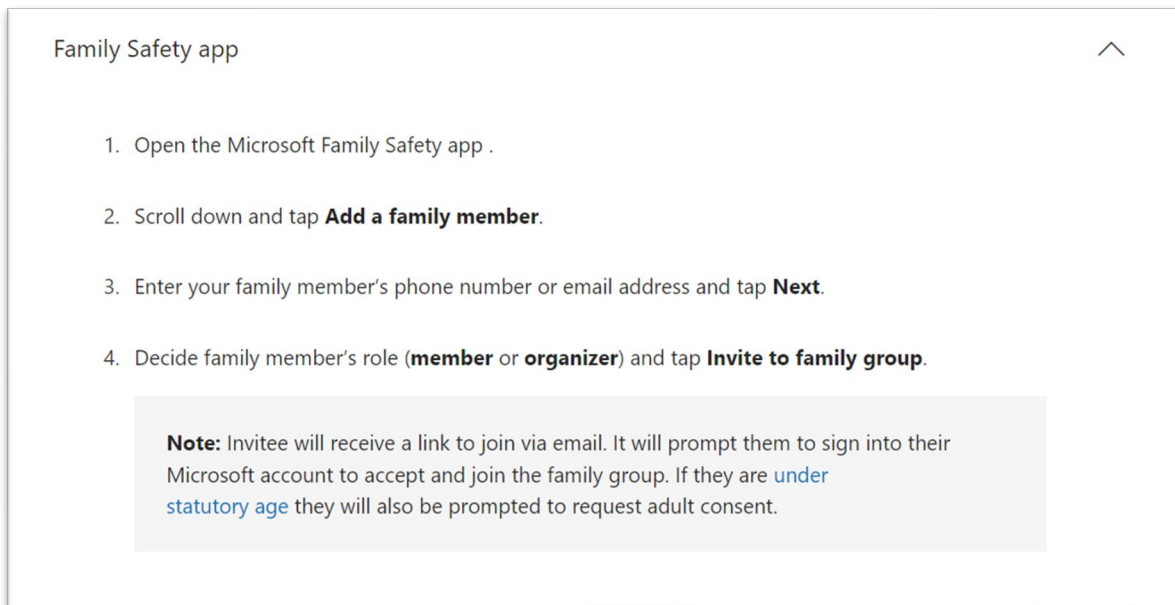
1. Using a web browser, visit family.microsoft.com. Sign into your Family Safety account.
2. Click **Add a family member**.
3. Enter family member's phone number or email address and click **Next**.
4. Decide family member's role (**member** or **organizer**) and click **Next > Invite**.

Note: Invitee will receive a link to join via email. It will prompt them to sign into their Microsoft account to accept and join the family group. If they are [under statutory age](#) they will also be prompted to request adult consent.

76

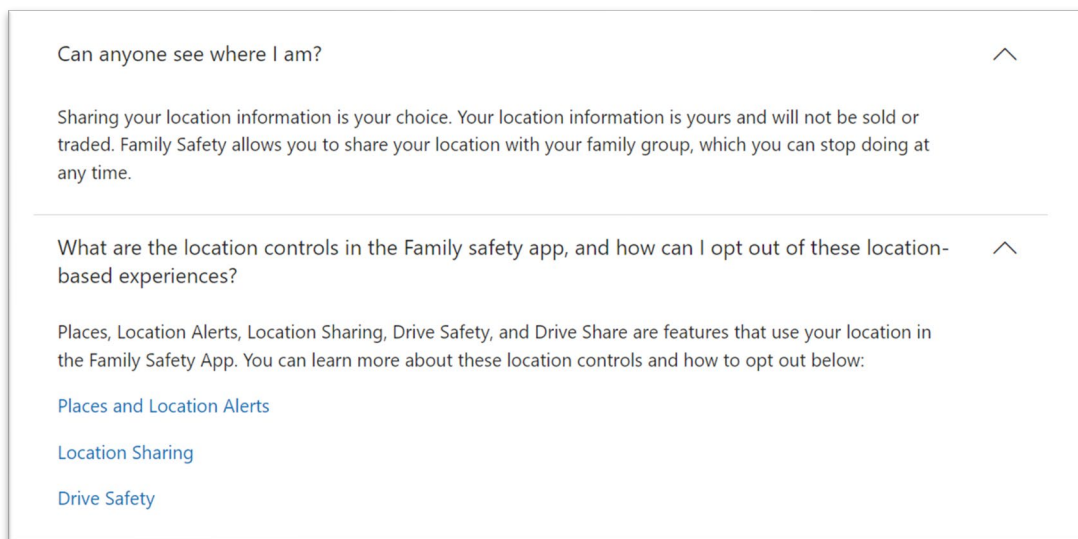
⁷⁵ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

⁷⁶ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>



77

86. The exemplary Accused Products are further programmed to facilitate participation in the groups by communicating with one or more servers and sending to and receiving location information, as depicted below:



78

⁷⁷ <https://support.microsoft.com/en-us/account-billing/add-people-to-your-family-group-4a07b974-8103-16ad-6ea2-46549ca19e03>

⁷⁸ <https://support.microsoft.com/en-us/account-billing/location-based-experiences-in-microsoft-family-safety-48704c11-da47-05c3-6c75-e032d54bc563>

Location sharing in device settings

Location sharing must first be enabled through each individual device's settings. *Processes may vary slightly based on device's current operating system, make, and model.*

iPhone/iOS

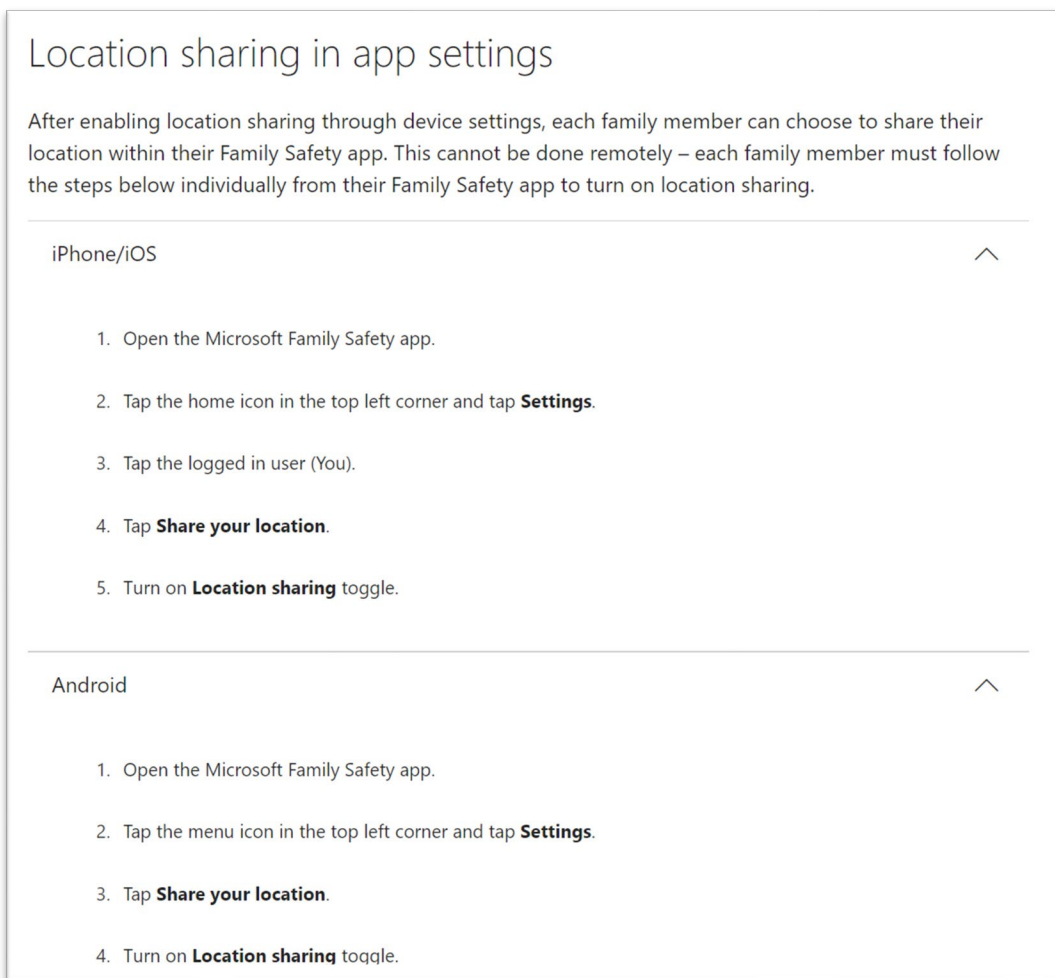
1. Open **Settings**.
2. Scroll down and tap **Family Safety**.
3. Tap **Location** > **Always**.
4. Turn on **Precise Location** toggle.

Android

1. Turn on [Google Location Accuracy](#).
2. **Battery optimization** is **Off**.
3. Location access is **Allowed**.

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⁷⁹ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>



80

87. The location information is presented on interactive displays on the exemplary Accused Products which include interactive maps and a plurality of user selectable symbols corresponding to other devices. The symbols are positioned on the map at positions corresponding to the locations of the other devices, as depicted below:

⁸⁰ <https://support.microsoft.com/en-us/account-billing/set-up-family-location-sharing-796dfbde-1055-86ca-06a6-bb519053d200>

Find your family on a map

Microsoft account, Microsoft account dashboard

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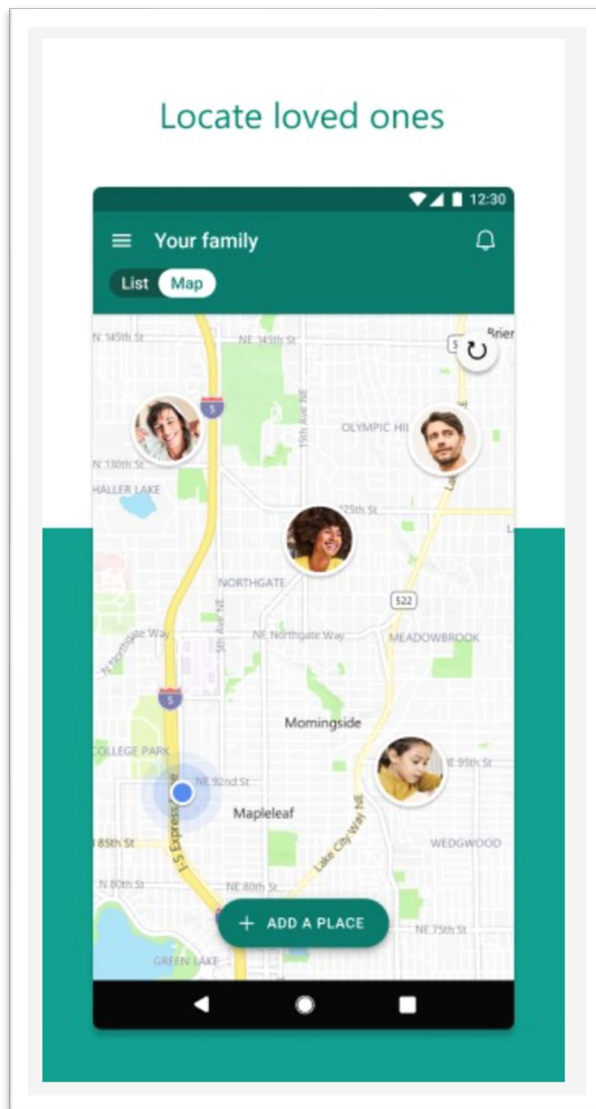
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81

⁸¹ <https://support.microsoft.com/en-us/account-billing/find-your-family-on-a-map-7a47e821-70fa-7aca-c35b-3542275f8a85>

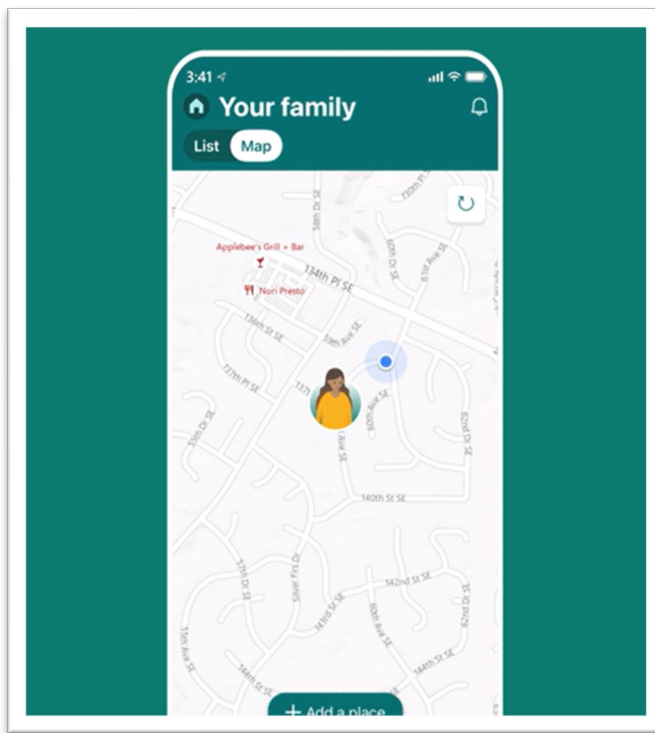


82

88. The exemplary Accused Products are further programmed to permit users to request and display additional maps from additional servers by, for example, moving the map screen and/or by selecting satellite images or other types of maps. The exemplary Accused Products are further programmed to permit interaction with the display where a user may select one or more

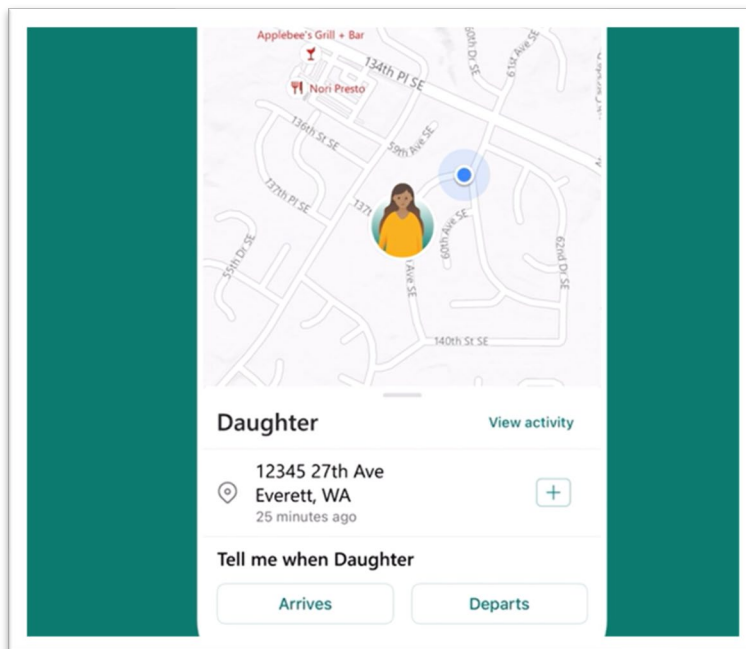
⁸² <https://www.microsoft.com/en-us/microsoft-365/blog/2020/05/11/new-microsoft-family-safety-app-now-available-preview-ios-android/>

symbols and where the exemplary Accused Products further permit data to be sent to other devices based on that interaction.



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⁸³ <https://support.microsoft.com/en-au/topic/saved-places-and-location-alerts-97c31393-3863-6cf1-a290-950f89549fdc>



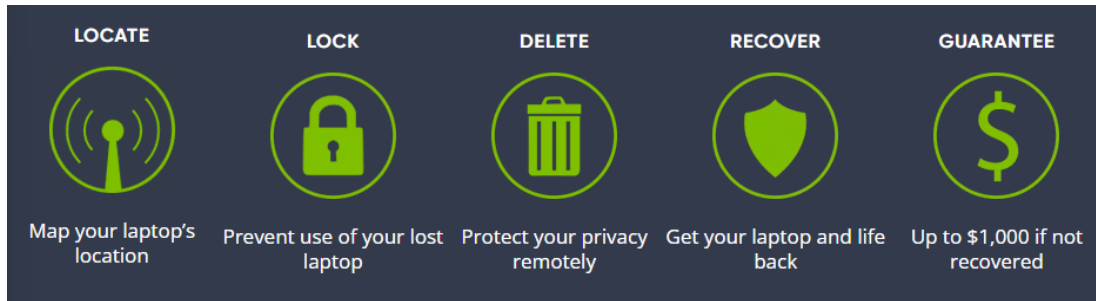
84

89. The Accused Products, such as the Absolute Software and HP Wolf Protect applications, further include similar features and functionalities to Family Safety, and infringe in a substantially similar manner.⁸⁵



⁸⁴ <https://support.microsoft.com/en-au/topic/saved-places-and-location-alerts-97c31393-3863-6cf1-a290-950f89549fdc>

⁸⁵ See, e.g., <https://homeoffice.absolute.com/>



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Features and specs

Find Command: This command on your device allows ITDMs to quickly locate a missing device. Once the device appears on a map, you can decide to lock the device or erase it, protecting the data on the device from unauthorized access.

Lock Command: Use HP's most secure service solution with threshold cryptography to find, lock, and erase data from all of your HP devices, ensuring that your sensitive information is protected. HP Wolf Protect and Trace locks the device at the firmware level that prevents it from booting even if the drive was replaced. Additionally, by remote locking your PC, unauthorized users can no longer access your PC and files.¹³

Erase Command: Reliably protect data, manage your fleet of HP devices, and keep unauthorized users from accessing your files and documents on your network with HP Wolf Protect and Trace. Powered by HP TechPulse, HP Wolf Protect and Trace provides a complete hardware-enforced find, lock, erase service. When a PC is deemed unrecoverable by the ITDM, you can now erase the data and files to ensure data is destroyed and not accessed. HP Wolf Protect and Trace uses HP Secure Erase technology to erase all internal SSDs and HDDs safely and effectively on a device.

Persistence: HP Wolf Protect and Trace uses hardware-enforced persistence via HP Sure Run Gen4². If HP TechPulse is removed without authorization, HP Sure Run reinstalls the software automatically.

Threshold Cryptography: This allows ITDMs to assign multiple ITDM approvers holding partial keys to lock and erase a lost or stolen PC.




HP Wolf Protect and Trace is a service that is combined in some Care Pack options with HP Active Care.

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⁸⁶ <https://homeoffice.absolute.com/>

⁸⁷ <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa8-0360enw.pdf>

Mission critical capabilities

 <p>Threat Containment</p>	 <p>Lost or stolen hardware</p>	 <p>Printer resiliency</p>
<p>CPU-enforced malware prevention stops phishing and ransomware attacks, while reducing overall alert volume.</p> <p>More on Threat Containment ></p>	<p>Remotely locate, lock, and wipe a lost or stolen PC. HP Protect and Trace² protects data, reduces operational burden, and can eliminate breach notifications.</p> <p>More on Protect & Trace ></p>	<p>Continually monitors device for anomalous behavior and self-heals.</p> <p>More on protection & detection ></p>

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90. AGIS Software has suffered damages as a result of Defendants’ direct and indirect infringement of the ’829 Patent in an amount to be proved at trial.

91. AGIS Software has suffered, and will continue to suffer, irreparable harm as a result of Defendants’ infringement of the ’829 Patent for which there is no adequate remedy at law unless Defendants’ infringement is enjoined by this Court.

DEMAND FOR JURY TRIAL

Plaintiff hereby demands a jury for all issues so triable.

PRAYER FOR RELIEF

WHEREFORE, AGIS Software prays for relief against Defendants as follows:

a. Entry of judgment declaring that Defendants have directly and/or indirectly infringed one or more claims of each of the Patents-in-Suit;

⁸⁸ https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_con_x&gad_source=1&gclid=CjwKCAjwNi0BhA1EiwAWZaANCBmWbkabhvcGxhOb63do7fFEDGipTa6581ZV8r-KWjsxWozy7_oBoCFUIQAvD_BwE&gclsrc=aw.ds

- b. Entry of judgment declaring that Defendants' infringement of the Patents-in-Suit have been willful and deliberate;
- c. An order pursuant to 35 U.S.C. § 283 permanently enjoining Defendants, their officers, agents, servants, employees, attorneys, and those persons in active concert or participation with them, from further acts of infringement of the Patents-in-Suit;
- d. An order awarding damages sufficient to compensate AGIS Software for Defendants' infringement of the Patents-in-Suit, but in no event less than a reasonable royalty, together with interest and costs;
- e. An order awarding AGIS Software treble damages under 35 U.S.C. § 284 as a result of Defendants' willful and deliberate infringement of the Patents-in-Suit;
- f. Entry of judgment declaring that this case is exceptional and awarding AGIS Software its costs and reasonable attorney fees under 35 U.S.C. § 285; and
- g. Such other and further relief as the Court deems just and proper.

Dated: August 13, 2024

Respectfully submitted,

/s/ Alfred R. Fabricant
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Peter Lambrianakos
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Email: plambrianakos@fabricantllp.com
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AGIS SOFTWARE DEVELOPMENT LLC***