

Qualcomm Inc.'s Patent Initial Infringement Contentions
Exhibit 865

UNITED STATES PATENT NO. 8,768,865 ('865 Patent)
INFRINGEMENT CHART FOR CLAIMS 1, 3, 4, 5, 6, 21, and 22¹

'865 Patent Claim² (P.R. 3-1(a))	The '865 Patent Accused Products And Where Each Claim Element Is Found³ (P.R. 3-1(b)-(c))
[865.1] A method comprising: ⁴	The '865 Patent Accused Products ^{5,6} defined in Section II of Qualcomm Incorporated's Patent L.R. 3.1 and 3.2 Disclosures practice the steps of the recited method.
[865.1a] monitoring, at a mobile device, input signals from a plurality of information sources associated with said mobile device;	The '865 Patent Accused Products are mobile devices. The Accused iPhones are smartphones. <i>See, e.g.</i> , iPhone Trade-Up Eligibility, available at https://www.apple.com/iphone/trade-up/ ("Just trade in your eligible smartphone, and then use the credit to lower the full cost of a new iPhone or to reduce the monthly payments with your carrier.") A smartphone is a mobile computing device. <i>See, e.g.</i> , http://www.dictionary.com/browse/smartphone (defining a smartphone as "a device that combines a cell phone with a handheld computer, typically offering Internet access, data storage, email capability, etc.). The Accused iPads are mobile computing devices. <i>See, e.g.</i> , iPad Pro Overview ("And it all comes together with iOS, the world's most advanced mobile operating system. iPad Pro. Everything you want modern computing to be.").

¹ The infringement contentions provided herein are based on information obtained to date and may not be exhaustive. Qualcomm's investigation of Apple's infringement is ongoing. Qualcomm reserves the right to supplement and/or amend these disclosures to identify additional Asserted Claims (P.R. 3-1(a)), to identify additional accused products (P.R. 3-1(b)), and to further identify where each element of each Asserted Claim is found in each of the '865 Patent Accused Products (P.R. 3-1(c)), including on the basis of discovery obtained from Apple and from third-parties during the course of this litigation.

² All infringement contentions set forth herein for any independent patent claims are hereby incorporated by reference into the infringement contentions alleged for any dependent patent claims that depend on such independent claims, as if fully set forth therein.

³ The '865 Patent Accused Products and associated exhibits discussed and/or cited for any claim herein are representative in all material respects of all other '865 Patent Accused Products identified for that claim (e.g., although various Apple devices running iOS 9 and above may have immaterial differences in their hardware, firmware, and/or software configuration, the cited references are believed to be illustrative of all '865 Patent Accused Products).

⁴ Qualcomm's inclusion of any claim preamble in this claim chart should not be interpreted as an admission that the preamble is limiting. Qualcomm reserves the right to take the position that the claim preambles are limiting or not limiting on a claim-by-claim basis.

⁵ <https://everyi.com/by-capability/maximum-supported-ios-version-for-ipod-iphone-ipad.html> (last accessed Feb. 26, 2018) and <http://iossupportmatrix.com/> (last accessed Feb. 26, 2018) (listing devices compatible with iOS 9 and above).

⁶ <https://www.imore.com/my-apple-watch-compatible-watches-4> ("Every Apple Watch made to date, from the original that launched in 2015 to the Series 3 coming out on September 22, is compatible with watchOS 4.")


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'865 Patent Claim ² (P.R. 3-1(a))	The '865 Patent Accused Products And Where Each Claim Element Is Found ³ (P.R. 3-1(b)-(c))
	<p>The '865 Patent Accused Products monitor input signals from a plurality of information sources associated with each mobile device. For example, portions of iOS in the '865 Patent Accused Products such as Siri monitor signals from several information sources including information from applications and other portions of the OS (for example, "what you typically listen to" and date/time information), information from sensors (for example, accelerometers), information from devices used at least in part for sensing (for example, GPS signals, WiFi signals, Bluetooth signals, or time), user actions (for example, accessing an app).</p> <p>Intelligence</p> <p>Siri features an all-new design in iOS 9, contextual reminders and new ways to search photos and videos. Proactive assistance presents the most relevant information without compromising users' privacy and suggests actions at a particular moment — even before you start typing — automatically suggesting apps to launch or people to contact based on usage patterns, and notifying you when you need to leave for appointments, taking into account traffic conditions. iOS 9 can even learn what you typically listen to in a certain location or at a particular time of day, so when you plug in headphones at the gym or hop in the car before work, it can automatically display playback controls for your preferred app. Typed search queries deliver more relevant results from more categories, including sports scores and schedules, videos and simple math calculations.</p> <p>https://www.apple.com/newsroom/2015/06/08Apple-Previews-iOS-9/ (last accessed February 26, 2018).</p>

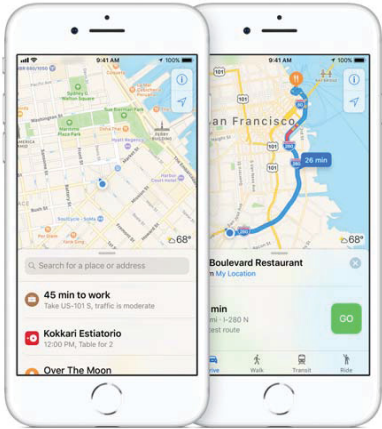
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'865 Patent Claim ² (P.R. 3-1(a))	The '865 Patent Accused Products And Where Each Claim Element Is Found ³ (P.R. 3-1(b)-(c))
	<p>Location Services uses GPS, Bluetooth, crowd-sourced Wi-Fi hotspot, and cellular towers to determine the location of your device. Your Apple Watch might use the location of your paired iPhone if it's nearby. If Location Services is on, your iPhone will periodically send Apple the geo-tagged locations of nearby Wi-Fi hotspots and cellular towers in an anonymous and encrypted form. This information is used for augmenting this crowd-sourced database of Wi-Fi hotspot and cellular tower locations. By enabling Location Services, these location-based system services are enabled:</p> <p>https://support.apple.com/en-us/HT207056 (last accessed February 26, 2018).</p> <p>As another example, iOS 9 monitors information sources including user inputs (for example, the wakeup time in an alarm app), an accelerometer, the day of the week, and the current time.</p>

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'865 Patent Claim ² (P.R. 3-1(a))	The '865 Patent Accused Products And Where Each Claim Element Is Found ³ (P.R. 3-1(b)-(c))
	 <p>Suggested apps</p> <p>Suggested apps are triggered by your routines and what you're most likely to use. For example, if you always read the news in the morning, your News app shows up in the Search screen at the time you normally wake up.</p> <p>https://www.apple.com/newsroom/2015/06/08Apple-Previews-iOS-9/ (last accessed February 26, 2018).</p> <p>In addition to Siri, and as further examples, other portions of iOS and other Apple applications, also include predictive functionalities, including Maps, predictive functionalities, such as predictive text, predictive touch, adaptivity, and predictive emojis. <i>See, e.g.</i>, Apple Maps (https://www.apple.com/ios/maps/ (last accessed February 26, 2018)) (“Maps predicts the places you’re most likely to go and recommends the fastest way to get there based on traffic, time of day, your location, and your schedule.”); predictive texts (http://help.apple.com/iphone/10/#/iphd4ea90231 (last accessed February 26, 2018)); predictive touch (http://www.idownloadblog.com/2015/06/15/ios-9-predictive-touch/ (last accessed February 26, 2018)); predictive dock (http://www.idownloadblog.com/2017/06/05/ios-11-adds-new-dock-drag-and-drop-and-other-ipad-productivity-features/ (last accessed February 26, 2018)); location services (https://support.apple.com/en-us/HT207056 (last accessed February 26, 2018)).</p>

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	<p data-bbox="456 873 760 915">Proactive suggestions</p> <p data-bbox="456 932 797 1066">Maps predicts the places you're most likely to go and recommends the fastest way to get there based on traffic, time of day, your location, and your schedule. So no matter where you're going, Maps can suggest the best route that avoids traffic. Or routes for upcoming meetings on your calendar.</p>  <p data-bbox="440 1220 967 1245">https://www.apple.com/ios/maps/ (last accessed February 26, 2018)</p>

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