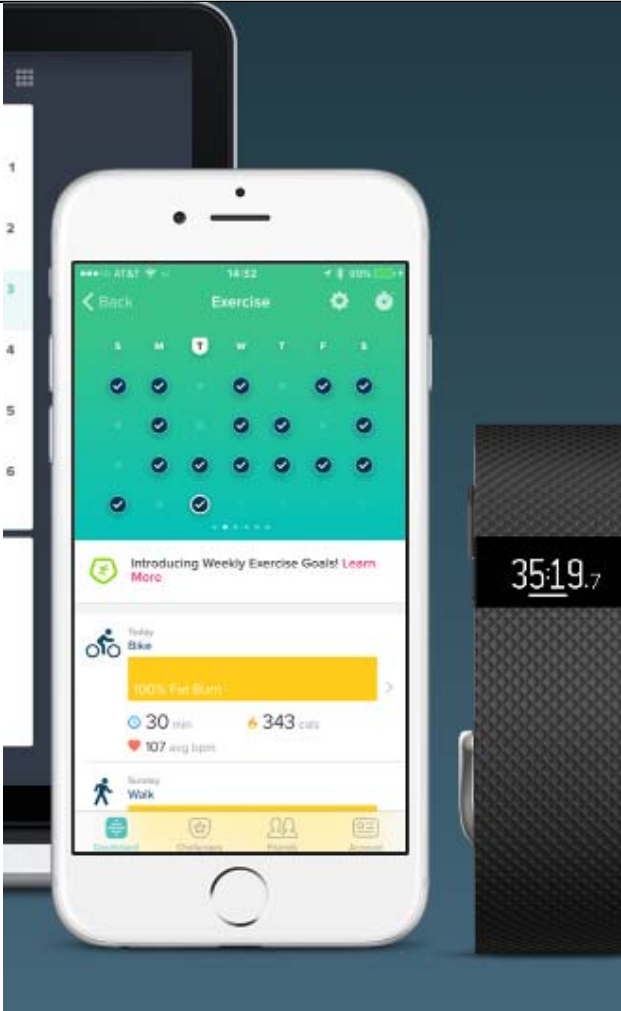


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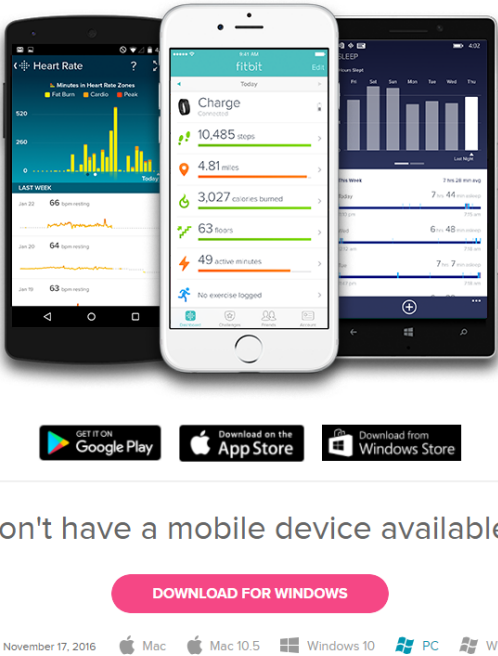
Immersion Corporation
U.S. Patent No. 8,638,301
Infringement Contentions to Fitbit, Inc.

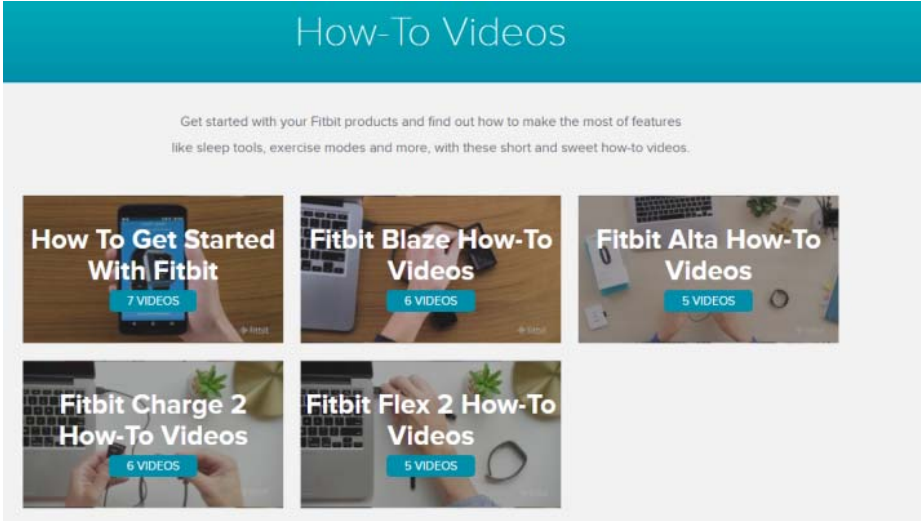
U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
Claim 27. A system comprising:	<p>The Fitbit Accused Product, the Charge HR, (hereinafter “the Accused Product”) provides a system.</p> <p>The Fitbit Accused Products provide system of an interaction between a fitness tracker band and a smartphone. See https://www.ifixit.com/Guide/Fitbit+charge+HR+Disassembly/56621; http://www.techinsights.com/reports-and-subscriptions/open-market-reports/Report-Profile/?ReportKey=10707</p> <p>For example, the Accused Products practices a system as a fitness tracker band synchronizing with a smartphone.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<div data-bbox="386 289 751 814"> </div> <div data-bbox="922 279 1502 1495"> <ul style="list-style-type: none"> PurePulse™ Heart Rate Get continuous, automatic, wrist-based heart rate & simplified heart rate zones Workouts + All-Day Activity Track steps, distance, calories burned, floors climbed, active minutes, heart rate, hourly activity & stationary time Caller ID + Watch See daily stats & time of day, and get call notifications with compatible devices SmartTrack™ Automatically recognizes when you exercise & records it in the Fitbit app Exercise Mode Record workouts to get real-time stats & see post-workout summaries Long Battery Life Lasts longer than competing trackers with a battery life up to 5 days* Auto Sleep + Alarms Monitor your sleep automatically & set a silent alarm Wireless Syncing Sync stats wirelessly & automatically to leading smartphones and computers </div> <p data-bbox="300 1495 1388 1528">Source: Fitbit, Inc., <i>Charge HR</i> (2017), available at https://www.fitbit.com/chargehr.</p> <p data-bbox="284 1570 1339 1600">In particular, the Accused Product is configured to pair or sync with a smartphone.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<div data-bbox="300 279 917 1283">  </div> <div data-bbox="933 279 1453 1451"> <h3>Environmental Requirements</h3> <ul style="list-style-type: none"> • Operating temperature: -4° to 113° F • Maximum operating altitude: 30,000 feet <h3>Memory</h3> <ul style="list-style-type: none"> • Tracks 7 days of detailed motion data – minute by minute. • Tracks daily totals for past 30 days • Stores heart rate data at 1 second intervals during exercise tracking and at 5 second intervals all other times <h3>Syncing</h3> <p>Charge HR syncs automatically and wirelessly to tablets, computers and 200+ leading iOS, Android and Windows smartphones using Bluetooth 4.0 wireless technology</p> <ul style="list-style-type: none"> • Syncing range: 20 feet • Call notifications via Bluetooth 4.0 • Syncing to computers requires Internet connection and USB port • Syncing to mobile devices requires Bluetooth and Internet connection • Syncs with Windows Vista and later, Mac OS X 10.6 and up, iPhone 4S and later, iPad 3 gen. and later, and leading Android and Windows devices <h3>Heart Rate</h3> <p>Like all heart rate monitoring technologies, accuracy is affected by physiology, location of device, and different movements. Learn more about wear during workouts.</p> </div>

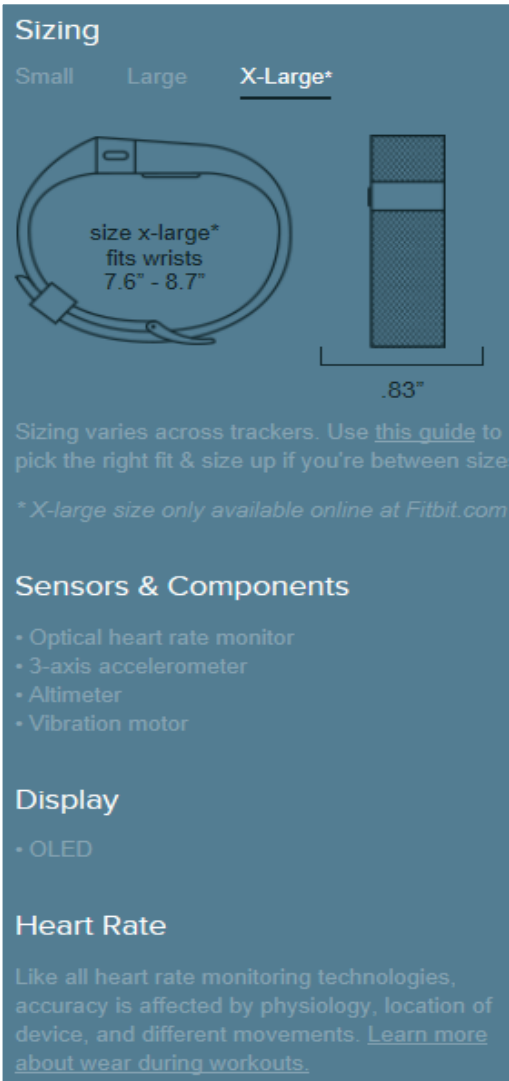
U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<div data-bbox="402 296 768 793" data-label="Image"> </div> <p data-bbox="315 821 1484 852"><i>Source: Fitbit, Inc., Charge HR Specs (2017), available at https://www.fitbit.com/chargehr.</i></p> <p data-bbox="344 894 768 926"><u>INDIRECT INFRINGEMENT</u></p> <p data-bbox="344 968 1542 1182">Fitbit indirectly infringes the '301 patent, under 35 U.S.C. § 271(b), by inducing infringement by others, such as manufacturers, resellers, developers, and customers, and end-users, and/or providing the fitness watch and a smartphone as components for use in a system of an interaction between a fitness watch and a smartphone that practices the invention in accordance with the element-by-element mapping of features to claim elements set forth in this chart for this claim and its dependent claims.</p> <p data-bbox="344 1224 1542 1365">As the element-by-element mapping shows, Fitbit provides ample “help” documentations that instruct a user in how to use the system to perform each of the functions which are described. Further, Fitbit provides instructions on how a user can set up a device and install software such that the features are enabled.</p> <p data-bbox="344 1407 1542 1619">For example, Fitbit provides a setup website to help and support the user to “Get the Fitbit App to Set Up Your Device” at https://www.fitbit.com/setup. At that site, Fitbit specifically instructs the user to download the Fitbit App from one of several websites (e.g., Google Play, Apple App Store, or Windows Store). Further, if the user does not have a mobile device, Fitbit instructs that the user can download an application for an Apple or Windows personal computer. Fitbit provides further instructions and help to set up a user’s device, as well.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="646 296 1230 327">Get the Fitbit App to Set Up Your Device</p>  <p data-bbox="358 1056 1437 1125">Source: Fitbit, Inc., “Get the Fitbit App to Set Up Your Device” (2017), available at https://www.fitbit.com/setup; see also https://www.fitbit.com/app.</p> <p data-bbox="345 1165 1542 1623">Fitbit also provides answers on its website to popular topics and questions that other users have had setting up their devices. Further, Fitbit provides a support community to educate users about certain features. (See Fitbit, Inc., “Get the skinny on your Fitbit device,” http://help.fitbit.com/.) Fitbit provides web pages with answers to popular topics and questions that other users have had setting up their devices. Further, Fitbit provides a support community to educate users about certain features. In addition, users can request certain features or options to be implemented in the Fitbit’s software and/or API such as on Fitbit’s “Ideas Board” online forum, which Fitbit provides at https://community.fitbit.com/t5/Feature-Requests/idb-p/features. Fitbit also provides How-To Videos to help users, as illustrated in the screenshot shown below. (See, e.g., Fitbit Inc., “How-To Videos,” https://www.fitbit.com/how-to (“Get started with your Fitbit products and find out how to make the most of features like sleep tools, exercise modes and more, with these short and sweet how-to videos.”).)</p>

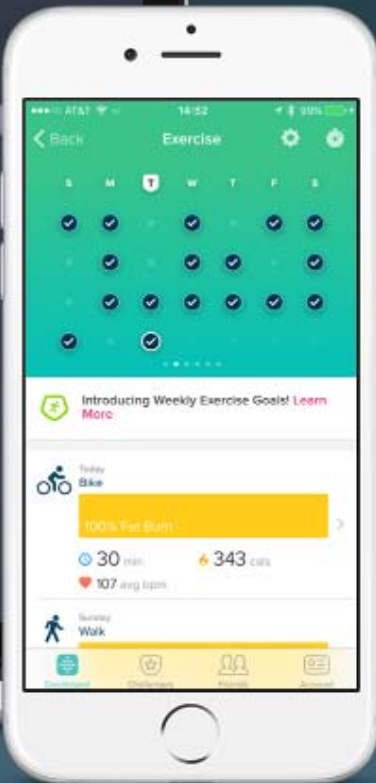
U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	 <p>Source: Fitbit Inc., “How-To Videos,” available at https://www.fitbit.com/how-to.</p>
a processor configured to:	<p>The Accused Product includes a processor.</p> <p>For example, the Accused Product includes STMicroelectronics STM32L151RD ARM-Based 32-Bit Microcontroller. Further, the Microcontroller (i.e. processor) is configured to perform various instructions as listed below.</p> <p>The <i>Deep Dive Teardown of the Fitbit Charge HR FB405BKS-EU- Bluetooth 4.0 / NFC Sync Fitness Watch</i> and <i>Charge HR</i> identifies the components of the Accused Product containing a microcontroller (i.e. processor) and these different types of sensors (e.g. accelerometer, altimeter, optical heart rate tracker). The microcontroller (i.e. processor), as identified in the picture below, is a microcontroller that is configured to perform various instructions.</p>







U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products	
	Product Type	Fitness Wristwatch
	Brand	Fitbit
	Device Name	Charge HR
	Device Model #	FB405BKS-EU
	Official Release Date	1/15/2015
	Target Market	Europe
	Retail Price	\$149.95
	Weight (grams)	23.8 (Measured)
	Device Dimensions (mm)	204.4 x 21.3 x 12.7 (Measured at Longest/Widest/Thickest Points)
	Product Features	
	Operating System	Proprietary
	Processor Spec	STMicroelectronics STM32L151RD ARM-Based 32-Bit Microcontroller
<p>Source: TechInsights Inc., <i>Deep Dive Teardown of the Fitbit Charge HR FB405BKS-EU-Bluetooth 4.0 / NFC Sync Fitness Watch</i> (2017), available at http://www.techinsights.com/reports-and-subscriptions/open-market-reports/Report-Profile/?ReportKey=10707.</p>		
	Connectivity	Bluetooth 4.0, NFC Sync
	User Interface	Functional Button
	Storage	Internal: 512 KB Serial Flash Memory
		External: None
	Sensors	3-Axis MEMS Accelerometer (2), MEMS Micro Altimeter Module, Optical Heart Rate Sensor
	Battery Type	3.7 V Li-Polymer
	Battery Life	Use Time: 5 days
Display	0.7" OLED, 32 x 72, Monochrome	
<p>Source: TechInsights Inc., <i>Deep Dive Teardown of the Fitbit Charge HR FB405BKS-EU-Bluetooth 4.0 / NFC Sync Fitness Watch</i> (2017), available at http://www.techinsights.com/reports-and-subscriptions/open-market-reports/Report-Profile/?ReportKey=10707.</p>		


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	<div data-bbox="360 296 592 745">  </div> <div data-bbox="924 285 1430 1356">  <p>Sizing</p> <p>Small Large <u>X-Large*</u></p> <p>size x-large* fits wrists 7.6" - 8.7"</p> <p>.83"</p> <p>Sizing varies across trackers. Use this guide to pick the right fit & size up if you're between sizes.</p> <p>* X-large size only available online at Fitbit.com</p> <p>Sensors & Components</p> <ul style="list-style-type: none"> • Optical heart rate monitor • 3-axis accelerometer • Altimeter • Vibration motor <p>Display</p> <ul style="list-style-type: none"> • OLED <p>Heart Rate</p> <p>Like all heart rate monitoring technologies, accuracy is affected by physiology, location of device, and different movements. Learn more about wear during workouts.</p> </div> <p data-bbox="302 1367 1469 1398"><i>Source: Fitbit, Inc., Charge HR Specs (2017), available at https://www.fitbit.com/chargehr.</i></p>
<p>receive a first sensor signal from a first sensor, the first sensor configured to detect a movement of a first mobile device;</p>	<p>The Accused Product includes a processor configured to receive a first sensor signal from a first sensor, the first sensor configured to detect a movement of a first mobile device.</p> <p>For example, the Accused Product includes a processor configured to receive sensor signals from at least the MEMS 3-axis accelerometer sensor (i.e. first sensor). Further, this sensor is configured to detect and track a user's movement or a variety of statistics, including steps taken, on the Accused Product (i.e. first mobile device).</p> <p>The pictures from the Charge HR Specs and the Charge HR Product Manual below show the accelerometer sensor, which tracks a user motion patterns. The further picture from the Charge HR Specs shows the synchronization and notification between the Accused Product and the smartphone (e.g. iPhone, Android or Window device). The Charge HR Features picture further</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p>illustrates that the connected Accused Product uses the user's phone to see real-time stats like daily motion, minute by minute, and heart rate.</p> <div data-bbox="337 359 797 884">  </div> <div data-bbox="924 354 1430 1428">  <p>Sizing</p> <p>Small Large <u>X-Large*</u></p> <p>size x-large* fits wrists 7.6" - 8.7"</p> <p>.83"</p> <p>Sizing varies across trackers. Use this guide to pick the right fit & size up if you're between sizes.</p> <p>* X-large size only available online at Fitbit.com</p> <p>Sensors & Components</p> <ul style="list-style-type: none"> • Optical heart rate monitor • 3-axis accelerometer • Altimeter • Vibration motor <p>Display</p> <ul style="list-style-type: none"> • OLED <p>Heart Rate</p> <p>Like all heart rate monitoring technologies, accuracy is affected by physiology, location of device, and different movements. Learn more about wear during workouts.</p> </div> <p>Source: Fitbit, Inc., <i>Charge HR Specs</i> (2017), available at https://www.fitbit.com/chargehr.</p>


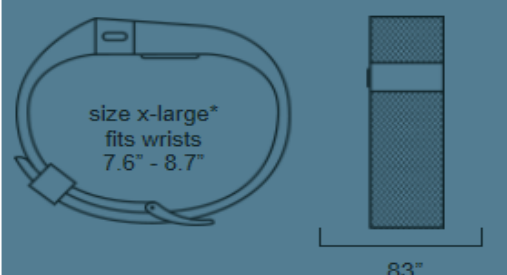
U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="310 310 768 359">Sensors and motors</p> <p data-bbox="310 394 1502 489">Your Charge HR uses a MEMS 3-axis accelerometer to measure your motion pattern and determine your steps taken, distance traveled, calories burned, and sleep quality. Charge HR also contains:</p> <ul data-bbox="358 525 1502 695" style="list-style-type: none">• An altimeter, which measures floors climbed• A vibration motor, which allows it to vibrate when alarms go off, when you reach a goal, and when you receive call notifications• An optical heart rate tracker, which measures your beats per minute (BPM) at rest and when you are exercising <p data-bbox="310 751 479 800">Battery</p> <p data-bbox="310 835 1161 869">Charge HR contains a rechargeable lithium-polymer battery.</p> <p data-bbox="302 894 1386 963"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>



U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<div data-bbox="300 279 917 1281">  </div> <div data-bbox="933 279 1453 1480"> <h3>Heart Rate</h3> <p>Like all heart rate monitoring technologies, accuracy is affected by physiology, location of device, and different movements. Learn more about wear during workouts.</p> <h3>Environmental Requirements</h3> <ul style="list-style-type: none"> • Operating temperature: -4° to 113° F • Maximum operating altitude: 30,000 feet <h3>Memory</h3> <ul style="list-style-type: none"> • Tracks 7 days of detailed motion data – minute by minute. • Tracks daily totals for past 30 days • Stores heart rate data at 1 second intervals during exercise tracking and at 5 second intervals all other times <h3>Syncing</h3> <p>Charge HR syncs automatically and wirelessly to tablets, computers and 200+ leading iOS, Android and Windows smartphones using Bluetooth 4.0 wireless technology.</p> <ul style="list-style-type: none"> • Syncing range: 20 feet • Call notifications via Bluetooth 4.0 • Syncing to computers requires Internet connection and USB port • Syncing to mobile devices requires Bluetooth and Internet connection • Syncs with Windows Vista and later, Mac OS X 10.6 and up, iPhone 4S and later, iPad 3 gen. and later, and leading Android and Windows devices </div>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<div data-bbox="402 296 768 793">  </div> <p data-bbox="315 821 1484 852">Source: Fitbit, Inc., <i>Charge HR Specs</i> (2017), available at https://www.fitbit.com/chargehr.</p> <div data-bbox="300 888 737 1654">  </div> <div data-bbox="789 888 1474 1707"> <div>  <div> <p>PurePulse™ Heart Rate</p> <p>Get continuous, automatic, wrist-based heart rate & simplified heart rate zones</p> </div> </div> <div>  <div> <p>Workouts + All-Day Activity</p> <p>Track steps, distance, calories burned, floors climbed, active minutes, heart rate, hourly activity & stationary time</p> </div> </div> <div>  <div> <p>Exercise Mode</p> <p>Record workouts to get real-time stats & see post-workout summaries</p> </div> </div> <div>  <div> <p>SmartTrack™</p> <p>Automatically recognizes when you exercise & records it in the Fitbit app</p> </div> </div> </div> <p data-bbox="300 1713 1508 1745">Source: Fitbit, Inc., <i>Charge HR Features</i> (2017), available at https://www.fitbit.com/chargehr.</p>


U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<h2 data-bbox="318 289 1484 348">Automatic tracking with Fitbit Charge HR</h2> <p data-bbox="318 382 1000 413">Your Charge HR has you covered day and night.</p> <h3 data-bbox="318 472 808 520">Tracking all-day stats</h3> <p data-bbox="318 556 1222 588">Your Charge HR automatically tracks the following all-day stats:</p> <ul data-bbox="365 623 665 795" style="list-style-type: none"> • Steps taken • Current heart rate • Distance covered • Calories burned • Floors climbed <p data-bbox="318 827 1456 888">In addition to the stats displayed on your Charge HR, the following stats are also tracked but shown only on your fitbit.com dashboard or in the Fitbit app:</p> <ul data-bbox="365 919 1357 1022" style="list-style-type: none"> • Detailed heart rate history, including time spent in heart rate zones • Active minutes • Hours slept and quality of sleep <p data-bbox="318 1052 1495 1142">To scroll through your stats simply press the button on the side of your Charge HR. You'll see the time followed by an icon and stat in turn. If you have an alarm set, your display will also show the next alarm time.</p> <div data-bbox="453 1171 1386 1314">  <div data-bbox="505 1283 1352 1314"> Steps Heart rate Distance Floors Calories </div> </div> <p data-bbox="318 1344 1481 1402">When you sync your Charge HR, your all-day stats are uploaded to your fitbit.com dashboard.</p> <p data-bbox="318 1434 1528 1551">Your Charge HR starts tracking your stats for the next day at midnight based on your time zone. Though your stats reset to zero at midnight, this does not delete the previous day's data; that data will be uploaded to fitbit.com the next time you sync your tracker.</p> <p data-bbox="318 1581 1266 1612">You can adjust your time zone at www.fitbit.com/user/profile/edit.</p> <p data-bbox="302 1638 1386 1707">Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<h2 data-bbox="329 291 1065 338">How does my tracker count steps?</h2> <hr data-bbox="329 373 1490 382"/> <p data-bbox="329 415 1471 632">Fitbit trackers use a 3-axis accelerometer to understand your motions. An accelerometer is a device that turns movement (acceleration) into digital measurements (data) when attached to the body. By analyzing acceleration data, our trackers provide detailed information about frequency, duration, intensity, and patterns of movement to determine your steps taken, distance traveled, calories burned, and sleep quality. The 3-axis implementation allows the accelerometer to measure your motion in any way that you move, making its activity measurements more precise than older, single-axis pedometers.</p> <p data-bbox="329 674 1490 968">Fitbit trackers have a finely tuned algorithm for step counting. The algorithm is designed to look for motion patterns that are most indicative of people walking. The algorithm determines whether a motion's size is large enough by setting a threshold. If the motion and its subsequent acceleration measurement meet the threshold, the motion will be counted as a step. If the threshold is not met, the motion won't be counted as a step. Other factors can create enough acceleration to meet our threshold and cause some over counting of steps, such as riding on a bumpy road. Equally, it's possible for the algorithm to undercount (not meet the required acceleration threshold). Examples here include walking on a very soft surface such as a plush carpet.</p> <p data-bbox="302 978 1490 1052"><i>Source:</i> Fitbit, Inc., <i>Fitbit Help - How does my tracker count steps?</i> (Last updated: March 14, 2017), available at https://help.fitbit.com/articles/en_US/Help_article/1143.</p>
receive a second sensor signal from a second sensor, the second sensor configured to detect an interaction with the first mobile device;	<p data-bbox="289 1131 1511 1230">The Accused Products provide a processor that is configured to receive a second sensor signal from a second sensor, the second sensor configured to detect an interaction with the first mobile device.</p> <p data-bbox="289 1272 1511 1415">For example, the Accused Products provide a processor that is configured to receive another signal (i.e. second sensor signal) from the tap gesture (i.e. second sensor). Further, the Accused Product the tap gesture (i.e. second sensor) configured to detect an interaction with the Accused Product (e.g. first mobile device).</p> <p data-bbox="289 1457 1520 1705">As shown in the pictures below, the Accused Product provides a tap gesture, which is seen in the Charge HR Specs and the Charge HR Product Manual. In the following Charge HR Product Manual picture, the picture describes the tap gesture interaction with the mobile device (e.g. iPhone or Android), which makes sure that the tracker and the mobile phone (i.e. mobile device) can communicate with each other. Further, the Charge HR Product Manual picture describes how the tap gesture is used to connect the Accused Product with the mobile phone (i.e. mobile device).</p>

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	<div data-bbox="341 294 795 798">  </div> <div data-bbox="925 285 1429 1354"> <p>Sizing</p> <p>Small Large <u>X-Large*</u></p>  <p>Sizing varies across trackers. Use this guide to pick the right fit & size up if you're between sizes.</p> <p>* X-large size only available online at Fitbit.com</p> <p>Sensors & Components</p> <ul style="list-style-type: none"> • Optical heart rate monitor • 3-axis accelerometer • Altimeter • Vibration motor <p>Display</p> <ul style="list-style-type: none"> • OLED <p>Heart Rate</p> <p>Like all heart rate monitoring technologies, accuracy is affected by physiology, location of device, and different movements. Learn more about wear during workouts.</p> </div> <p>Source: Fitbit, Inc., <i>Charge HR Specs</i> (2017), available at https://www.fitbit.com/chargehr.</p> <div data-bbox="300 1396 820 1549"> <p>Display</p> <ul style="list-style-type: none"> • OLED </div> <p>Source: Fitbit, Inc., <i>Charge HR Specs</i> (2017), available at https://www.fitbit.com/chargehr.</p> <ul style="list-style-type: none"> • Tap Gesture: If you want your Charge HR to respond to taps, choose which stat you want to appear when you double tap your device. <p>Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 17, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>
receive a first data	The Accused Products provide a processor configured to receive a first data signal from a network interface, the network interface configured to receive signals transmitted by a second

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products															
<p>signal from a network interface, the network interface configured to receive signals transmitted by a second mobile device;</p>	<p>mobile device.</p> <p>For example, the Accused Products include a processor configured to receive data signals (i.e. data signal) via a Bluetooth transceiver (i.e. network interface). The Bluetooth transceiver is configured to receive signals transmitted by a smartphone (i.e., The Fitbit app is available for more than 200 mobile devices that support iOS, Android, and Windows 10 operating systems.), a second mobile device. Specifically, for example, the processor in the Accused Product receives data via the Bluetooth transceiver when the user of the Fitbit application changes the daily step count goal from 10,000 steps per day to 20,000 steps per day.</p> <p>Collectively, the pictures below show and illustrate the Accused Product that connects to the Bluetooth transceiver and the transceiver can connect to numerous mobile devices.</p> <div data-bbox="386 772 750 1264">  </div> <div data-bbox="922 756 1458 1012"> <p>Heart Rate</p> <p>Like all heart rate monitoring technologies, accuracy is affected by physiology, location of device, and different movements. Learn more about wear during workouts.</p> </div> <p><i>Source: Fitbit, Inc., Charge HR Specs (2017), Available at https://www.fitbit.com/chargehr.</i></p> <div data-bbox="360 1381 587 1831">  </div> <table border="1" data-bbox="922 1360 1513 1864"> <tr> <td>Connectivity</td><td>Bluetooth 4.0, NFC Sync</td></tr> <tr> <td>User Interface</td><td>Functional Button</td></tr> <tr> <td rowspan="2">Storage</td><td>Internal: 512 KB Serial Flash Memory</td></tr> <tr> <td>External: None</td></tr> <tr> <td>Sensors</td><td>3-Axis MEMS Accelerometer (2), MEMS Micro Altimeter Module, Optical Heart Rate Sensor</td></tr> <tr> <td>Battery Type</td><td>3.7 V Li-Polymer</td></tr> <tr> <td>Battery Life</td><td>Use Time: 5 days</td></tr> <tr> <td>Display</td><td>0.7" OLED, 32 x 72, Monochrome</td></tr> </table> <p><i>Source: TechInsights Inc., Deep Dive Teardown of the Fitbit Charge HR FB405BKS-EU-</i></p>	Connectivity	Bluetooth 4.0, NFC Sync	User Interface	Functional Button	Storage	Internal: 512 KB Serial Flash Memory	External: None	Sensors	3-Axis MEMS Accelerometer (2), MEMS Micro Altimeter Module, Optical Heart Rate Sensor	Battery Type	3.7 V Li-Polymer	Battery Life	Use Time: 5 days	Display	0.7" OLED, 32 x 72, Monochrome
Connectivity	Bluetooth 4.0, NFC Sync															
User Interface	Functional Button															
Storage	Internal: 512 KB Serial Flash Memory															
	External: None															
Sensors	3-Axis MEMS Accelerometer (2), MEMS Micro Altimeter Module, Optical Heart Rate Sensor															
Battery Type	3.7 V Li-Polymer															
Battery Life	Use Time: 5 days															
Display	0.7" OLED, 32 x 72, Monochrome															


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	<p><i>Bluetooth 4.0 / NFC Sync Fitness Watch</i> (2017), available at http://www.techinsights.com/reports-and-subscriptions/open-market-reports/Report-Profile/?ReportKey=10707.</p> <h3>Syncing your tracker data to your Fitbit account</h3> <p>Once you've set up and started using Charge HR, you'll need to make sure it regularly transfers (syncs) its data to Fitbit so you can track your progress, see your exercise history, earn badges, analyze your sleep logs, and more on your Fitbit dashboard. A daily sync is recommended but not required.</p> <p>The Fitbit apps use Bluetooth Low Energy (BLE) technology to sync with your Fitbit tracker. Each time you open the app it will sync if the tracker is nearby, and the app will also sync periodically throughout the day if you have the all-day sync setting enabled. If you're running the Fitbit app on a Windows 10 PC that doesn't have Bluetooth, you'll need to make sure the tracker is connected to the computer.</p> <p>Fitbit Connect on a Mac® also uses Bluetooth for syncing (if available), otherwise you'll need to make sure your wireless sync dongle is plugged into the computer. You can force Fitbit Connect to sync at any time or it will happen automatically every 15 minutes if:</p> <ul style="list-style-type: none"> • The tracker is within 20 feet of your computer. • The computer is powered on, awake, and connected to the Internet. <p>Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="318 289 1484 346">Automatic tracking with Fitbit Charge HR</p> <p data-bbox="318 382 1000 413">Your Charge HR has you covered day and night.</p> <p data-bbox="318 472 808 520">Tracking all-day stats</p> <p data-bbox="318 556 1222 588">Your Charge HR automatically tracks the following all-day stats:</p> <ul data-bbox="365 623 665 793" style="list-style-type: none"> • Steps taken • Current heart rate • Distance covered • Calories burned • Floors climbed <p data-bbox="318 827 1456 886">In addition to the stats displayed on your Charge HR, the following stats are also tracked but shown only on your fitbit.com dashboard or in the Fitbit app:</p> <ul data-bbox="365 919 1357 1020" style="list-style-type: none"> • Detailed heart rate history, including time spent in heart rate zones • Active minutes • Hours slept and quality of sleep <p data-bbox="318 1052 1495 1140">To scroll through your stats simply press the button on the side of your Charge HR. You'll see the time followed by an icon and stat in turn. If you have an alarm set, your display will also show the next alarm time.</p> <div data-bbox="453 1171 1386 1314">  <div data-bbox="505 1283 1351 1314"> Steps Heart rate Distance Floors Calories </div> </div> <p data-bbox="318 1344 1481 1402">When you sync your Charge HR, your all-day stats are uploaded to your fitbit.com dashboard.</p> <p data-bbox="318 1434 1528 1551">Your Charge HR starts tracking your stats for the next day at midnight based on your time zone. Though your stats reset to zero at midnight, this does not delete the previous day's data; that data will be uploaded to fitbit.com the next time you sync your tracker.</p> <p data-bbox="318 1581 1266 1612">You can adjust your time zone at www.fitbit.com/user/profile/edit.</p> <p data-bbox="302 1638 1386 1707"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p> <p data-bbox="289 1747 1528 1921">As another example, the Accused Products include a processor configured to receive data signals via a Bluetooth transceiver, a network interface. The Bluetooth transceiver is configured to receive signals transmitted by a smartphone (i.e. second mobile device) (e.g., The Fitbit app is available for more than 200 mobile devices that support iOS, Android, and Windows 10 operating systems.) Specifically, for example, the processor in the Accused Product is</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p>configured to receive data via the Bluetooth transceiver when the user of the Fitbit application (“app”) configures the Daily activity goal, which sets the daily goal based on Fitbit app settings.</p> <h3 data-bbox="337 394 972 443">Tracking a daily activity goal</h3> <p data-bbox="337 474 1515 596">Your Charge HR is designed to track your progress towards a goal that you define on your fitbit.com dashboard. A progress bar below your goal keeps you motivated throughout the day. When you reach your goal your Charge HR will vibrate and flash to celebrate.</p> <p data-bbox="337 627 1487 688">By default, the daily goal is set to 10,000 steps per day. You can set a daily goal for steps taken, distance traveled, calories burned, or floors climbed.</p> <h3 data-bbox="337 747 675 787">Changing your goal</h3> <p data-bbox="337 816 1492 877">If you want to track a different daily goal, you can choose a goal from the Fitbit app or in the fitbit.com dashboard.</p> <p data-bbox="337 907 906 938">To choose your goal from the dashboard:</p> <ol data-bbox="380 968 1458 1213" style="list-style-type: none"> 5. Log in to your fitbit.com dashboard. 6. Click the gear icon in the top-right corner of the page. 7. Click Settings. 8. Select your tracker and then find and edit the Daily Goal Progress setting. 9. Sync your Charge HR to update your tracker with the new goal: <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <h3 data-bbox="337 1272 919 1312">Setting a value for your daily goal</h3> <p data-bbox="337 1341 1482 1402">You can set a specific value for your daily goal in the Fitbit app or on the fitbit.com dashboard. For example, instead of the default daily goal value of 10,000 steps per</p> <p data-bbox="305 1432 1492 1493">day, you may want your Charge HR to vibrate and flash when you reach 15,000 steps per day. To change your goal value:</p> <ol data-bbox="347 1528 1438 1818" style="list-style-type: none"> 1. Log into your fitbit.com dashboard. 2. Find the tile that corresponds to your goal. 3. Click the gear icon in the lower left corner of the tile. 4. Change your Daily Goal value and click Save. 5. Sync your Charge HR to update your tracker with the new value you have chosen. <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <p data-bbox="305 1827 1382 1892">Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p>The Fitbit app on the mobile device (e.g. Android or Apple smartphone) connects to the Fitbit Charge HR via Bluetooth. Next, the Fitbit app transmits the daily activity goal to the Fitbit Charge HR tracker for the user as shown below.</p> <p>Changing your goal</p> <p>If you want to track a different daily goal, you can choose a goal from the Fitbit app or in the fitbit.com dashboard.</p> <p>To choose your goal from the dashboard:</p> <ol style="list-style-type: none"> 5. Log in to your fitbit.com dashboard. 6. Click the gear icon in the top-right corner of the page. 7. Click Settings. 8. Select your tracker and then find and edit the Daily Goal Progress setting. 9. Sync your Charge HR to update your tracker with the new goal: <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <p>Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 10, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf</p> <p>Further, the Fitbit App, for example, synchronizes (“syncs”) with the Fitbit Charge HR. As shown below, the Fitbit App on the mobile device transfers data to the Fitbit Charge HR, such as settings or configurations, via Bluetooth Low Energy (BLE) technology.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="310 285 873 321">Setting a value for your daily goal</p> <p data-bbox="310 348 1409 405">You can set a specific value for your daily goal in the Fitbit app or on the fitbit.com dashboard. For example, instead of the default daily goal value of 10,000 steps per</p> <p data-bbox="1414 449 1442 476">10</p> <hr data-bbox="302 590 1459 596"/> <p data-bbox="310 768 1438 825">day, you may want your Charge HR to vibrate and flash when you reach 15,000 steps per day. To change your goal value:</p> <ol data-bbox="354 856 1386 1119" style="list-style-type: none"> 1. Log into your fitbit.com dashboard. 2. Find the tile that corresponds to your goal. 3. Click the gear icon in the lower left corner of the tile. 4. Change your Daily Goal value and click Save. 5. Sync your Charge HR to update your tracker with the new value you have chosen. <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <p data-bbox="302 1134 1386 1203"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 10–11, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>
<p>determine a change in a display signal based at least in part on the first data signal and the second sensor signal;</p>	<p data-bbox="289 1283 1503 1350">The Accused Product includes a processor configured to determine a change in a display signal based at least in part on the first data signal and the second sensor signal.</p> <p data-bbox="289 1392 1520 1570">For example, the Accused Product tracks the progress towards a daily goal as the data. In particular, the Accused Product uses its processor that is configured to determine the changes in the screens (i.e. display signal) based the user's steps and statistics on the steps taken (i.e. first data signal) and the user's interaction or navigation with the tap display input device (i.e. second sensor signal) that sets up the a tracking exercise.</p> <p data-bbox="289 1612 1487 1709">The pictures below show that the Accused Product tracks a variety of user's stats. Further, the pictures provide how the user can navigate to the exercise app or program for the Accused Product.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<h2 data-bbox="318 289 1484 348">Automatic tracking with Fitbit Charge HR</h2> <p data-bbox="318 382 1000 413">Your Charge HR has you covered day and night.</p> <h3 data-bbox="318 472 808 520">Tracking all-day stats</h3> <p data-bbox="318 556 1222 588">Your Charge HR automatically tracks the following all-day stats:</p> <ul data-bbox="365 623 667 795" style="list-style-type: none"> • Steps taken • Current heart rate • Distance covered • Calories burned • Floors climbed <p data-bbox="318 827 1456 886">In addition to the stats displayed on your Charge HR, the following stats are also tracked but shown only on your fitbit.com dashboard or in the Fitbit app:</p> <ul data-bbox="365 919 1357 1022" style="list-style-type: none"> • Detailed heart rate history, including time spent in heart rate zones • Active minutes • Hours slept and quality of sleep <p data-bbox="318 1052 1495 1142">To scroll through your stats simply press the button on the side of your Charge HR. You'll see the time followed by an icon and stat in turn. If you have an alarm set, your display will also show the next alarm time.</p> <div data-bbox="453 1171 1386 1314">  <div data-bbox="505 1283 1352 1314"> Steps Heart rate Distance Floors Calories </div> </div> <p data-bbox="318 1344 1481 1402">When you sync your Charge HR, your all-day stats are uploaded to your fitbit.com dashboard.</p> <p data-bbox="318 1434 1528 1551">Your Charge HR starts tracking your stats for the next day at midnight based on your time zone. Though your stats reset to zero at midnight, this does not delete the previous day's data; that data will be uploaded to fitbit.com the next time you sync your tracker.</p> <p data-bbox="318 1581 1266 1612">You can adjust your time zone at www.fitbit.com/user/profile/edit.</p> <p data-bbox="302 1638 1386 1707">Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="337 285 972 331">Tracking a daily activity goal</p> <p data-bbox="337 363 1515 485">Your Charge HR is designed to track your progress towards a goal that you define on your fitbit.com dashboard. A progress bar below your goal keeps you motivated throughout the day. When you reach your goal your Charge HR will vibrate and flash to celebrate.</p> <p data-bbox="337 516 1487 577">By default, the daily goal is set to 10,000 steps per day. You can set a daily goal for steps taken, distance traveled, calories burned, or floors climbed.</p> <p data-bbox="337 636 677 674">Changing your goal</p> <p data-bbox="337 705 1492 766">If you want to track a different daily goal, you can choose a goal from the Fitbit app or in the fitbit.com dashboard.</p> <p data-bbox="337 795 906 827">To choose your goal from the dashboard:</p> <ol data-bbox="380 856 1458 1100" style="list-style-type: none"> 5. Log in to your fitbit.com dashboard. 6. Click the gear icon in the top-right corner of the page. 7. Click Settings. 8. Select your tracker and then find and edit the Daily Goal Progress setting. 9. Sync your Charge HR to update your tracker with the new goal: <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <p data-bbox="337 1159 920 1197">Setting a value for your daily goal</p> <p data-bbox="337 1228 1482 1289">You can set a specific value for your daily goal in the Fitbit app or on the fitbit.com dashboard. For example, instead of the default daily goal value of 10,000 steps per</p> <p data-bbox="305 1320 1492 1381">day, you may want your Charge HR to vibrate and flash when you reach 15,000 steps per day. To change your goal value:</p> <ol data-bbox="347 1413 1438 1705" style="list-style-type: none"> 1. Log into your fitbit.com dashboard. 2. Find the tile that corresponds to your goal. 3. Click the gear icon in the lower left corner of the tile. 4. Change your Daily Goal value and click Save. 5. Sync your Charge HR to update your tracker with the new value you have chosen. <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <p data-bbox="305 1717 1386 1787"><i>Source: Fitbit, Inc., Charge HR Manual (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</i></p>


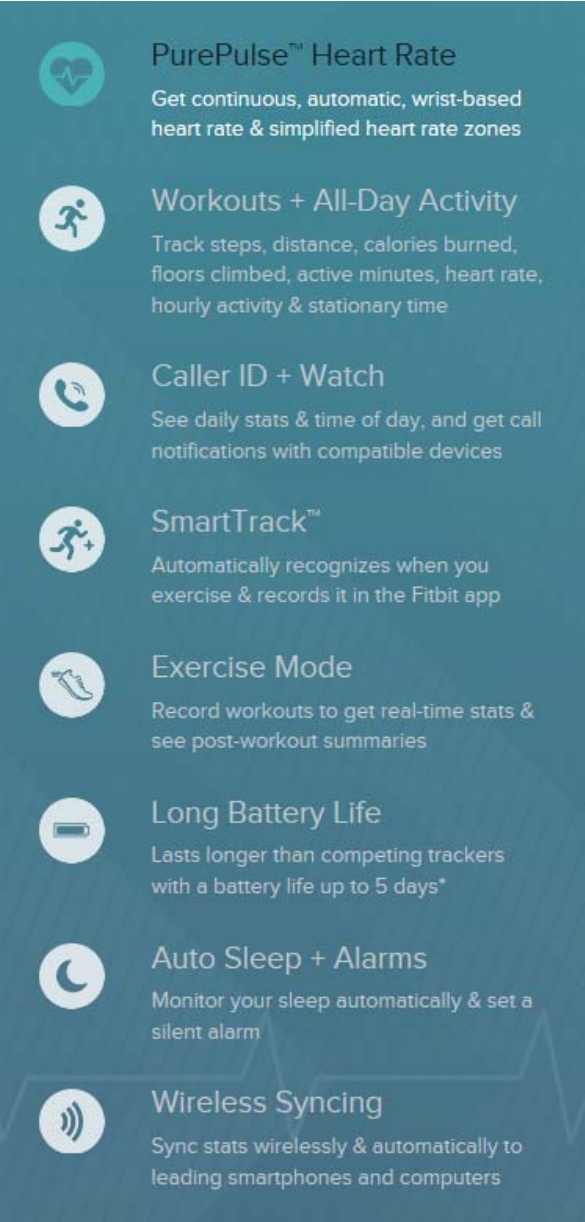
U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<h2 data-bbox="315 285 1438 342">Tracking Exercise with Fitbit Charge HR</h2> <p data-bbox="315 380 1528 533">Charge HR will automatically detect many exercises and record them in your exercise history using our SmartTrack™ feature. For more precision you can also tell your tracker when exercise starts and stops and see a workout summary right on your wrist. All workouts appear in your exercise history for deeper analysis and comparison.</p> <h3 data-bbox="315 596 727 642">Using SmartTrack</h3> <p data-bbox="315 680 1528 795">Our SmartTrack feature automatically recognizes and records select exercises to ensure you get credit for your most active moments of the day. When you sync your tracker after a SmartTrack-detected exercise, you can find several stats in your exercise history including duration, calories burned, impact on your day, and more.</p> <p data-bbox="315 827 1484 915">By default SmartTrack detects continuous movement at least 15 minutes in length. You can increase the minimum duration or disable SmartTrack for one or more exercise types.</p> <p data-bbox="315 947 1479 1035">SmartTrack does not record more precise exercise stats. If you want to track a specific exercise with precise stats, you should use exercise mode on your Charge HR.</p> <p data-bbox="315 1094 1495 1125">For more information about customizing and using SmartTrack, see help.fitbit.com.</p> <p data-bbox="302 1192 1386 1262"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p> <p data-bbox="289 1304 1516 1444">In another example, the Fitbit Charge HR displays and tracks the user's heart rate, steps, distance, calories burned, stairs climbed and active minutes. When the user uses Exercise Mode by using feature SmartTrack, the display changes and gives the user real-time states on your wrist, as illustrated below.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	 <p>Source: Fitbit, Inc., <i>Charge HR</i> (2017), available at https://www.fitbit.com/chargehr.</p>
determine a	The Accused Products include a processor configured to determine a haptic effect based at least

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
haptic effect based at least in part on the first data signal; and	<p>in part on the first data signal.</p> <p>For example, the Accused Products provide a processor configured to determine a particular haptic feedback, e.g., vibration or tactile pulse pattern (i.e. haptic effect) based at least in part on the user's stats and steps taken (i.e. first data signal).</p> <p>The following pictures below show that the Accused Product contains haptic feedback and sends notifications to the user using the haptic feedback.</p> <p>Sensors and motors</p> <p>Your Charge HR uses a MEMS 3-axis accelerometer to measure your motion patterns and determine your steps taken, distance traveled, calories burned, and sleep quality. Charge HR also contains:</p> <ul style="list-style-type: none"> • An altimeter, which measures floors climbed • A vibration motor, which allows it to vibrate when alarms go off, when you reach a goal, and when you receive call notifications • An optical heart rate tracker, which measures your beats per minute (BPM) at rest and when you are exercising <p>Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>

U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="310 285 873 321">Setting a value for your daily goal</p> <p data-bbox="310 348 1409 405">You can set a specific value for your daily goal in the Fitbit app or on the fitbit.com dashboard. For example, instead of the default daily goal value of 10,000 steps per</p> <p data-bbox="1414 453 1442 478">10</p> <hr data-bbox="302 590 1459 596"/> <p data-bbox="310 768 1438 825">day, you may want your Charge HR to vibrate and flash when you reach 15,000 steps per day. To change your goal value:</p> <ol data-bbox="354 856 1386 1119" style="list-style-type: none"> 1. Log into your fitbit.com dashboard. 2. Find the tile that corresponds to your goal. 3. Click the gear icon in the lower left corner of the tile. 4. Change your Daily Goal value and click Save. 5. Sync your Charge HR to update your tracker with the new value you have chosen. <ol style="list-style-type: none"> a. Click the Fitbit Connect icon located near the date and time on your computer. b. With your Charge HR nearby, click Sync Now. <p data-bbox="302 1136 1386 1203">Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 10-11, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>
outputting the haptic effect.	<p data-bbox="289 1283 1317 1318">The Accused Products include a processor configured to output the haptic effect.</p> <p data-bbox="289 1356 1520 1423">For example, the Accused Products include a processor configured to output the haptic feedback (i.e. haptic effect).</p> <p data-bbox="289 1461 1520 1535">The pictures below provide that the processor is configured to output the haptic feedback (i.e. haptic effect) for certain alarms, goals, notifications, and reminders, such as a daily activity goal.</p> <p data-bbox="310 1581 951 1629">Tracking a daily activity goal</p> <p data-bbox="310 1661 1500 1780">Your Charge HR is designed to track your progress towards a goal that you define on your fitbit.com dashboard. A progress bar below your goal keeps you motivated throughout the day. When you reach your goal your Charge HR will vibrate and flash to celebrate.</p> <p data-bbox="302 1797 1386 1864">Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 10, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf</p>


U.S. Patent No. 8,638,301	Fitbit, Inc. Accused Products
	<p data-bbox="310 321 776 365">Sensors and motors</p> <p data-bbox="310 405 1534 499">Your Charge HR uses a MEMS 3-axis accelerometer to measure your motion patterns and determine your steps taken, distance traveled, calories burned, and sleep quality. Charge HR also contains:</p> <ul data-bbox="358 537 1534 709" style="list-style-type: none"><li data-bbox="358 537 1040 569">• An altimeter, which measures floors climbed<li data-bbox="358 575 1534 638">• A vibration motor, which allows it to vibrate when alarms go off, when you reach a goal, and when you receive call notifications<li data-bbox="358 644 1534 709">• An optical heart rate tracker, which measures your beats per minute (BPM) at rest and when you are exercising <p data-bbox="302 741 1386 814"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at <a data-bbox="302 779 1386 814" href="https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf">https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>


Claim 28	Fitbit, Inc. Accused Products
<p>The system of claim 27, wherein the first sensor and the second sensor are each configured to detect one or more of: contact, pressure, acceleration, inclination, inertia, or location.</p>	<p>The Accused Products provide that the first sensor and the second sensor are each configured to detect one or more of: contact, pressure, acceleration, inclination, inertia, or location.</p> <p>For example, the Accused Products provide that the first sensor (i.e. 3-axis accelerometer) and the second sensor (i.e. tap gesture) are each configured to detect one or more of: contact, pressure, acceleration, inclination, inertia, or location.</p> <p>The pictures below show that the Accused Product contains a tap gesture (i.e. contact pressure), 3-axis accelerometer (i.e. acceleration), and an altimeter (i.e. inclination and inertia).</p> <div data-bbox="386 590 750 1083">  </div> <div data-bbox="922 573 1503 1787">  <ul style="list-style-type: none"> PurePulse™ Heart Rate Get continuous, automatic, wrist-based heart rate & simplified heart rate zones Workouts + All-Day Activity Track steps, distance, calories burned, floors climbed, active minutes, heart rate, hourly activity & stationary time Caller ID + Watch See daily stats & time of day, and get call notifications with compatible devices SmartTrack™ Automatically recognizes when you exercise & records it in the Fitbit app Exercise Mode Record workouts to get real-time stats & see post-workout summaries Long Battery Life Lasts longer than competing trackers with a battery life up to 5 days* Auto Sleep + Alarms Monitor your sleep automatically & set a silent alarm Wireless Syncing Sync stats wirelessly & automatically to leading smartphones and computers </div> <p>Source: Fitbit, Inc., <i>Charge HR</i> (2017), available at https://www.fitbit.com/chargehr.</p>

Claim 28	Fitbit, Inc. Accused Products
	<p data-bbox="306 239 768 283">Sensors and motors</p> <p data-bbox="306 321 1502 413">Your Charge HR uses a MEMS 3-axis accelerometer to measure your motion pattern and determine your steps taken, distance traveled, calories burned, and sleep quality. Charge HR also contains:</p> <ul data-bbox="355 451 1502 619" style="list-style-type: none"> • An altimeter, which measures floors climbed • A vibration motor, which allows it to vibrate when alarms go off, when you reach a goal, and when you receive call notifications • An optical heart rate tracker, which measures your beats per minute (BPM) at rest and when you are exercising <p data-bbox="306 680 479 724">Battery</p> <p data-bbox="306 762 1161 793">Charge HR contains a rechargeable lithium-polymer battery.</p> <p data-bbox="300 821 1386 890"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 24, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p> <ul data-bbox="306 928 1536 997" style="list-style-type: none"> • Tap Gesture: If you want your Charge HR to respond to taps, choose which stat you want to appear when you double tap your device. <p data-bbox="300 1005 1386 1075"><i>Source:</i> Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 17, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>

Claim 29	Fitbit, Inc. Accused Products
<p>The system of claim 27, wherein the second sensor comprises a touch-screen.</p>	<p>The Accused Products provide the second sensor comprises a touch-screen.</p> <p>For example, the Accused Products provide the second sensor comprises a tap gesture.</p> <p>As shown below, the Accused Product contains a tap gesture (i.e. second sensor).</p> <ul style="list-style-type: none">• Tap Gesture: If you want your Charge HR to respond to taps, choose which stat you want to appear when you double tap your device. <p>Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 17, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p>

Claim 31	Fitbit, Inc. Accused Products
<p>The system of claim 27, wherein the processor is further configured to transmit a second data signal to the network interface, and the network interface is further configured to transmit the second data signal to the second mobile device.</p>	<p>The Accused Products provide the processor is further configured to transmit a second data signal to the network interface, and the network interface is further configured to transmit the second data signal to the second mobile device.</p> <p>For example, as the picture below shows in the red boxes, the Accused Product provides that the processor is further configured to transmit information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results (i.e. second data signal) to the Bluetooth transceiver (i.e. network interface), and the Bluetooth transceiver (i.e. network interface) is further configured to transmit the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to smart phone, such as an iPhone or Android smart phone (i.e. second mobile device). By way of example, as shown in the red boxes in the picture below, the Accused Product provides that the processor is further configured to transmit or sync the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to the Bluetooth transceiver, and the Bluetooth transceiver is further configured to transmit the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to the Fitbit dashboard on a user's smart phone, such as an iPhone or Android smart phone.</p>

Claim 31	Fitbit, Inc. Accused Products
	<p data-bbox="321 212 1365 264">Automatic tracking with Fitbit Charge HR</p> <p data-bbox="321 296 932 323">Your Charge HR has you covered day and night.</p> <div data-bbox="302 363 1357 760" style="border: 2px solid red; padding: 10px;"> <p data-bbox="321 380 761 422">Tracking all-day stats</p> <p data-bbox="321 453 1130 480">Your Charge HR automatically tracks the following all-day stats:</p> <ul data-bbox="363 512 634 663" style="list-style-type: none"> • Steps taken • Current heart rate • Distance covered • Calories burned • Floors climbed <p data-bbox="321 690 1338 747">In addition to the stats displayed on your Charge HR, the following stats are also tracked but shown only on your fitbit.com dashboard or in the Fitbit app:</p> </div> <ul data-bbox="363 779 1250 869" style="list-style-type: none"> • Detailed heart rate history, including time spent in heart rate zones • Active minutes • Hours slept and quality of sleep <p data-bbox="321 894 1373 974">To scroll through your stats simply press the button on the side of your Charge HR. You'll see the time followed by an icon and stat in turn. If you have an alarm set, your display will also show the next alarm time.</p> <div data-bbox="444 999 1276 1125" style="text-align: center;">  <div data-bbox="488 1100 1243 1125"> Steps Heart rate Distance Floors Calories </div> </div> <div data-bbox="302 1138 1416 1396" style="border: 2px solid red; padding: 10px;"> <p data-bbox="321 1155 1360 1205">When you sync your Charge HR, your all-day stats are uploaded to your fitbit.com dashboard.</p> <p data-bbox="321 1234 1399 1337">Your Charge HR starts tracking your stats for the next day at midnight based on your time zone. Though your stats reset to zero at midnight, this does not delete the previous day's data; that data will be uploaded to fitbit.com the next time you sync your tracker.</p> <p data-bbox="321 1365 1169 1390">You can adjust your time zone at www.fitbit.com/user/profile/edit.</p> </div> <p data-bbox="298 1413 1386 1480"><i>Source: Fitbit, Inc., Charge HR Manual (2017), p. 8, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</i></p> <p data-bbox="285 1522 1529 1915">By way of another example, as the picture below shows in the red boxes, the Accused Product provides that the processor is further configured to transmit information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results (i.e. second data signal) to the Bluetooth transceiver (i.e. network interface), and the Bluetooth transceiver (i.e. network interface) is further configured to transmit the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to smart phone, such as an iPhone or Android smart phone (i.e. second mobile device). For instance, as shown in the red boxes in the picture below, the Accused Product provides that the processor is further configured to transmit or sync information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to the Bluetooth transceiver, and the Bluetooth transceiver is further configured to transmit the</p>

Claim 31	Fitbit, Inc. Accused Products
	<p>information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to the Fitbit dashboard on a user's smart phone, such as an iPhone or Android smart phone.</p> <p>Automatic tracking with Fitbit Charge HR</p> <p>Your Charge HR has you covered day and night.</p> <p>Tracking all-day stats</p> <p>Your Charge HR automatically tracks the following all-day stats:</p> <ul style="list-style-type: none"> • Steps taken • Current heart rate • Distance covered • Calories burned • Floors climbed <p>In addition to the stats displayed on your Charge HR, the following stats are also tracked but shown only on your fitbit.com dashboard or in the Fitbit app:</p> <ul style="list-style-type: none"> • Detailed heart rate history, including time spent in heart rate zones • Active minutes • Hours slept and quality of sleep <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"> <p>To scroll through your stats simply press the button on the side of your Charge HR. You'll see the time followed by an icon and stat in turn. If you have an alarm set, your display will also show the next alarm time.</p> <div style="text-align: center;">  <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Steps Heart rate Distance Floors Calories </div> </div> <p>When you sync your Charge HR, your all-day stats are uploaded to your fitbit.com dashboard.</p> <p>Your Charge HR starts tracking your stats for the next day at midnight based on your time zone. Though your stats reset to zero at midnight, this does not delete the previous day's data; that data will be uploaded to fitbit.com the next time you sync your tracker.</p> </div> <p>You can adjust your time zone at www.fitbit.com/user/profile/edit.</p> <p>Source: Fitbit, Inc., <i>Charge HR Manual</i> (2017), p. 8, available at https://staticcs.fitbit.com/content/assets/help/manuals/manual_charge_hr_en_US.pdf.</p> <p>By way of another example, as the picture below shows in the red boxes, the Accused Product provides that the processor is further configured to transmit information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results (i.e. second data signal) to the Bluetooth transceiver (i.e. network interface), and the Bluetooth transceiver (i.e. network interface) is further configured to transmit the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results to smart phone, such as an iPhone or Android smart phone (i.e. second mobile</p>

Claim 31	Fitbit, Inc. Accused Products
	<p>device). Accordingly, the Accused Product provides that the processor is further configured to transmit information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results (i.e. second data signal) to the Bluetooth transceiver (i.e. network interface), and the Bluetooth transceiver (i.e. network interface) is further configured to transmit the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results data to smart phone, such as an iPhone or Android smart phone, by syncing or transferring the information corresponding to a summary of a user's tracked statistics and results, including daily activity goal results data collected from the tracker to the Fitbit dashboard.</p> <div data-bbox="435 579 1401 800"> <p>WHAT IS SYNCING?</p> <p><i>Syncing</i> is the process that transfers the data your tracker collects to your Fitbit dashboard. The dashboard is where you can track your progress, see how you slept, set goals, log food and water, challenge friends, and much more. Your tracker uses Bluetooth Low Energy (BLE) technology to sync with mobile devices and certain computers. The instructions in How do I set up my tracker? explain how to make sure your Fitbit tracker can sync with the mobile device or computer you prefer.</p> </div> <div data-bbox="435 821 1380 1134"> <p>WHEN DOES MY TRACKER SYNC?</p> <p>If your tracker is paired to the Fitbit app on a mobile device, it syncs every time you open the app. It can also sync periodically throughout the day if you have All-Day sync turned on. If you sync your tracker with a computer and Fitbit Connect, it syncs automatically every 15 to 30 minutes assuming the tracker and computer are in proximity, and the dongle is plugged in, if applicable.</p> <p>You can also initiate a sync whenever you like if your tracker is nearby. If you're using an iOS or Android mobile device, you can sync your tracker from the Fitbit app dashboard by touching your tracker image at the top of the screen and pulling down. Choose a section to see syncing instructions.</p> </div> <div data-bbox="444 1155 1390 1428"> <p>IOS DEVICES ✓</p> <hr/> <p>ANDROID DEVICES ✓</p> <hr/> <p>WINDOWS 10 MOBILE DEVICES AND COMPUTERS ✓</p> <hr/> <p>MAC OR WINDOWS 8.1 COMPUTERS ✓</p> <hr/> </div> <p>Source: Fitbit, Inc., <i>How do Fitbit devices sync their data?</i> (2017), available at http://help.fitbit.com/articles/en_US/Help_article/1877?p=charge_2&c=Topics%3AAndroid&l=en_US&fs=Search&pn=1.</p>