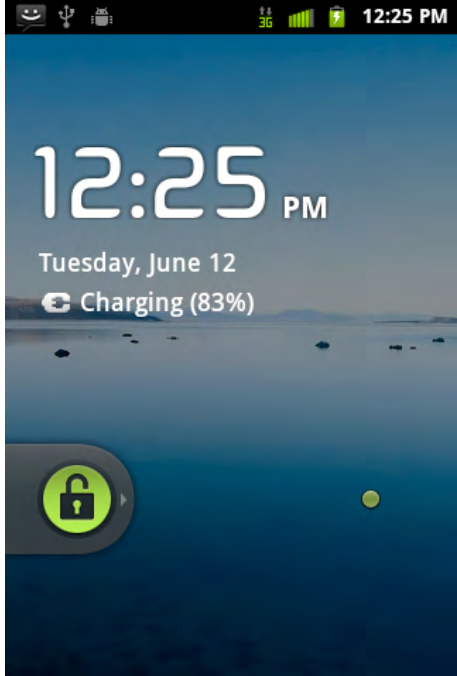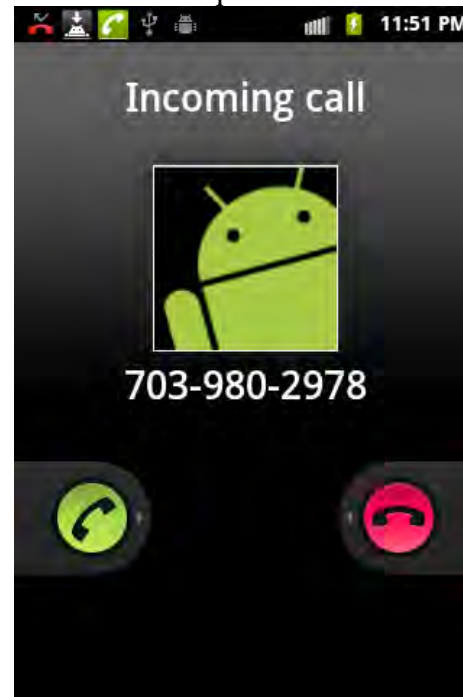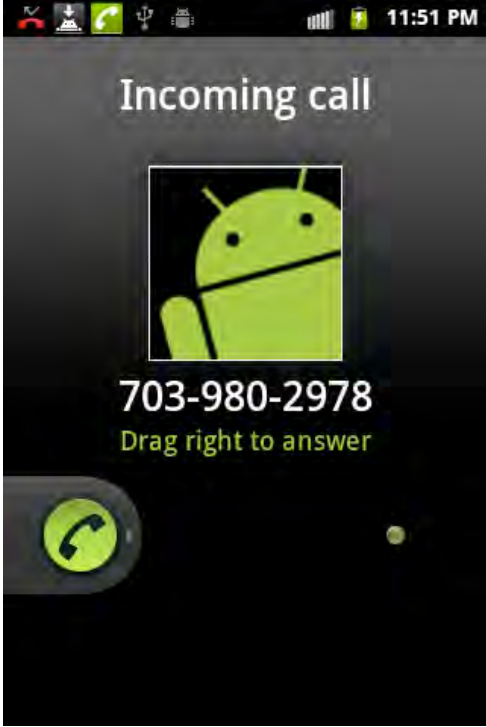| Claim 7[1]	Infringement by the Samsung Conquer 4G
	Further, the Samsung Conquer 4G includes instructions to detect contact with this unlock image as a user touches and then slides the image to the right to unlock the phone. As is shown below, when the Conquer 4G detects contact with the unlock image, the circle containing a representation of the phone's volume on the right side of display disappears and a small green circle appears. This small green circle corresponds to the predefined unlock region. **(Screenshots of the Samsung Conquer 4G detecting a contact with the unlock image on the locked home screen)**

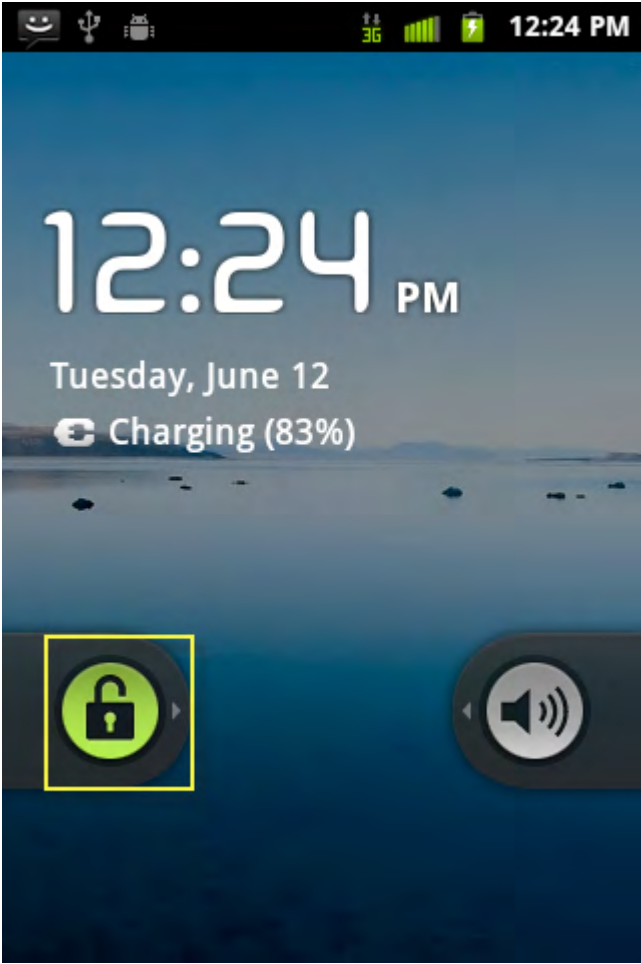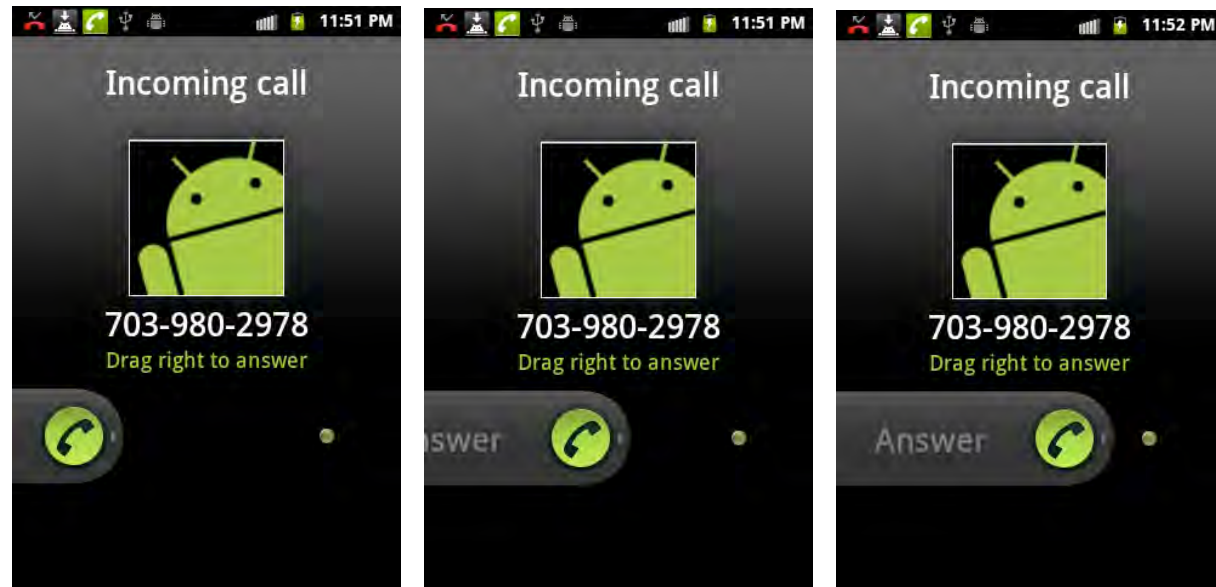| Claim 7[1]	Infringement by the Samsung Conquer 4G
	As a second example, when the locked Samsung Conquer 4G receives a call, it displays the caller's phone number and an unlock image on an incoming call screen, as shown below. The unlock image, which is a green icon containing the representation of a phone, appears at a predefined location at the left side of the Conquer 4G's touchscreen, as shown below. (**Screenshot of incoming call screen for locked Samsung Conquer 4G**)

Claim 7[1]	Infringement by the Samsung Conquer 4G
	The Samsung Conquer 4G detects contact with this unlock image as a user touches and then slides the image to the right to unlock the phone and answer the call. As is shown below, when the Conquer 4G detects contact with the unlock image, the circle containing a representation of the reject call icon on the right side of display disappears and a small green circle appears. This small green circle denotes the predefined unlock region. **(Screenshot showing the Samsung Conquer 4G detecting contact with the incoming call unlock image)**

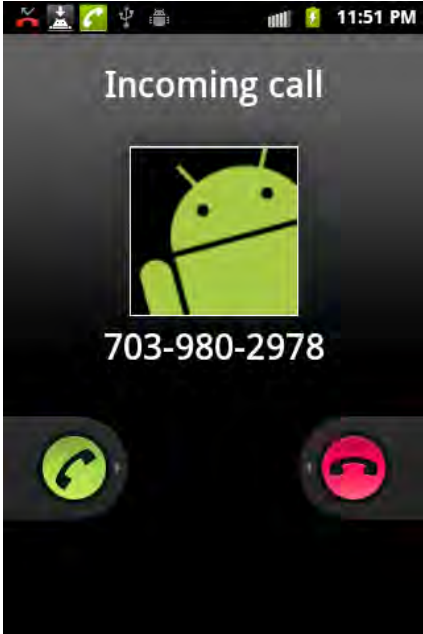| Claim 7[1]	Infringement by the Samsung Conquer 4G
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The Samsung Conquer 4G's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. Specifically, the Samsung Conquer 4G includes instructions that, as the user touches and slides the unlock image on the locked home screen, cause the Samsung Conquer 4G to continuously move the unlock image from left to right while the user maintains contact with the screen, as shown below. **(Screenshots showing the Samsung Conquer 4G continuously moving the unlock image as a user slides it to the right to unlock the phone)**

8

Claim 7[1]	Infringement by the Samsung Conquer 4G
	Moreover, the Samsung Conquer 4G's unlock image is a graphical, interactive user-interface object, namely a padlock icon on a green background with a circle around it, that the user touches and then slides across the touchscreen to unlock the phone, as shown below. (**Screenshot showing the unlock image (highlighted in yellow) on the locked Samsung Conquer 4G home screen**)

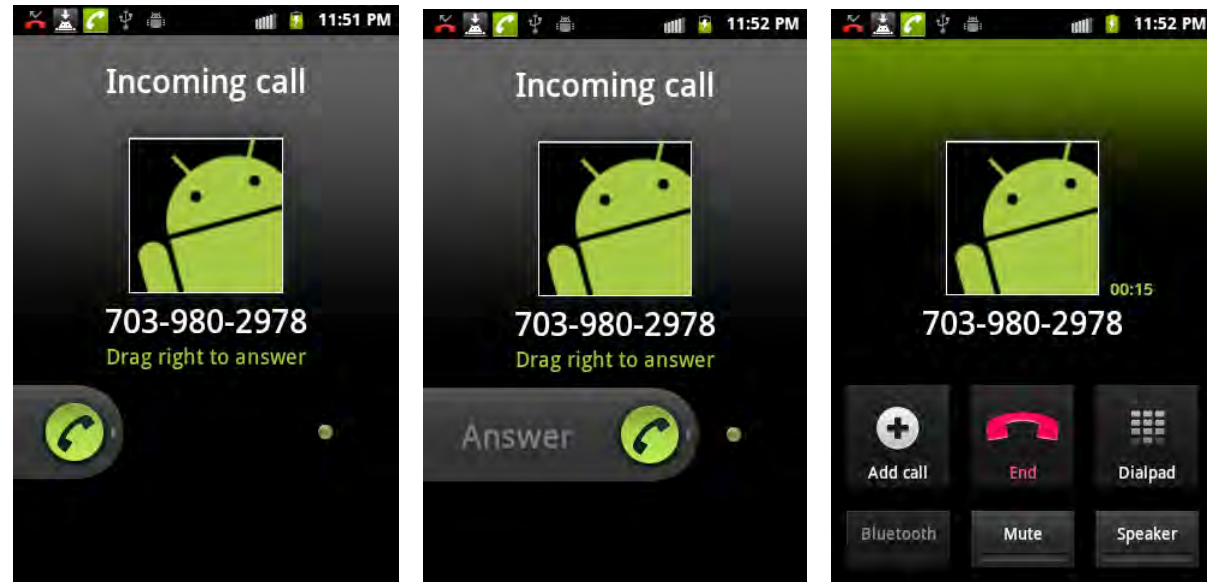| Claim 7[1]	Infringement by the Samsung Conquer 4G
	As a second example, as the user touches and slides the green unlock image on the incoming call screen, the Samsung Conquer 4G continuously moves the unlock image from left to right on the touchscreen display while the user maintains contact with the screen, as shown below. **(Screenshots showing the incoming call unlock image on the locked Samsung Conquer incoming call screen)**

Claim 7[1]	Infringement by the Samsung Conquer 4G
	Further, at the incoming call screen, the Samsung Conquer 4G's unlock image is a graphical, interactive user-interface object, namely a green image containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone. ![Incoming call screen showing Android figure and phone number 703-980-2978] **(Screenshots of the Samsung Conquer 4G continuously moving the messaging unlock image across the screen as the user slides her finger to the left to unlock the phone)**

11

Claim 7[1]	Infringement by the Samsung Conquer 4G
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The Samsung Conquer 4G's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display. Specifically, the Samsung Conquer 4G's one or more modules include instructions to unlock when the user slides the green unlock image from its original, predefined location at the left side of the touch screen to a predefined unlock region on the right side of the display. The predefined unlock region is denoted by a small green circle as shown below. When the unlock image reaches the green circle, the phone unlocks and all applications on the phone are available to the user. (**Screenshots of the Samsung Conquer 4G showing the unlock image sliding to the right as a user unlocks the phone**)

12

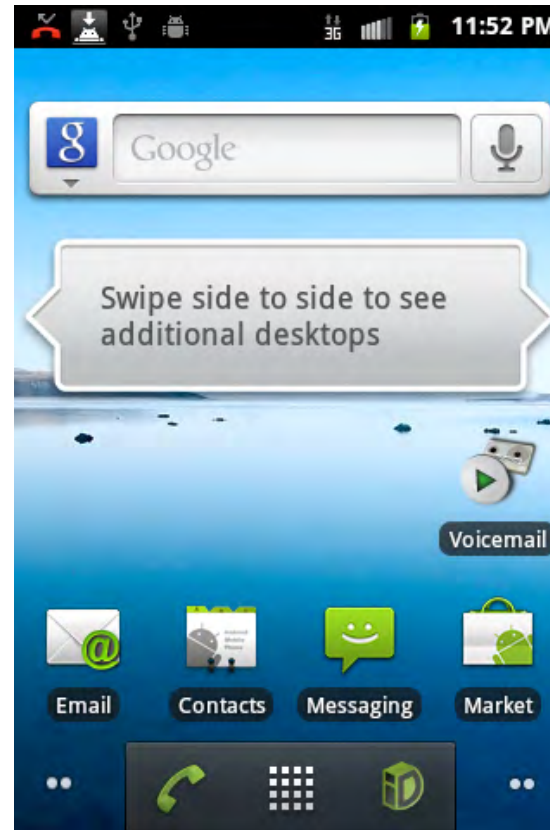| Claim 7[1]	Infringement by the Samsung Conquer 4G
	As a second example, the Samsung Conquer 4G unlocks to permit the user to answer an incoming phone call when the user slides the green unlock image from its original location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display. The predefined unlock region is denoted by a green circle as shown below. **(Screenshots of the Samsung Conquer 4G showing the incoming call unlock image sliding to the right and the phone unlocking as the image reaches the predefined unlock region)**

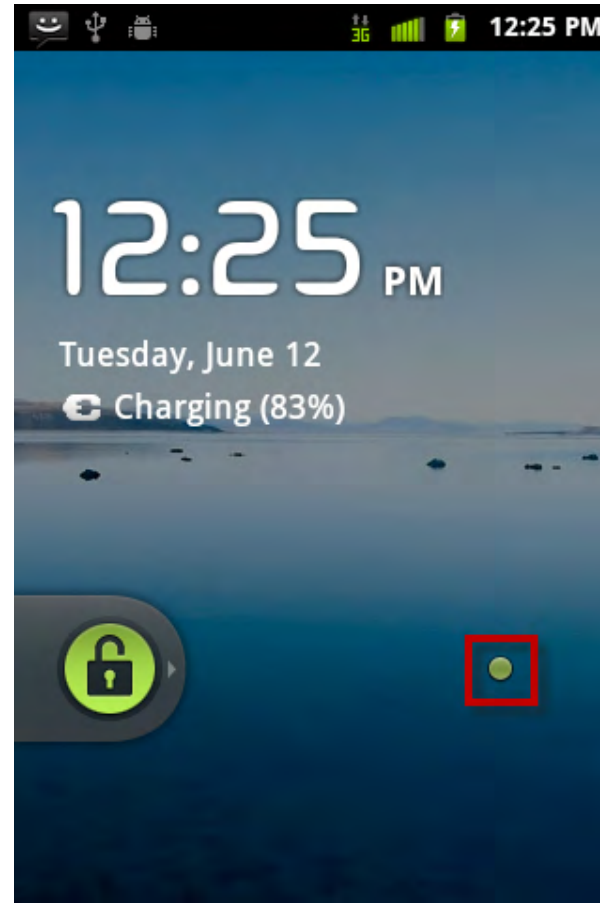| Claim 7[1]	Infringement by the Samsung Conquer 4G
	After the user answers and then terminate the call, the Samsung Conquer 4G remains unlocked for the user to operate. Thus, it is in a user-interface unlock state. **(Screenshot of the unlocked Samsung Conquer 4G after the user exits the phone application)**

Claim 8	Infringement by the Samsung Conquer 4G
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The Samsung Conquer 4G's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. Specifically, the Samsung Conquer 4G's one or more modules include instructions to display an arrow on the phone's green unlock image on the locked home screen. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone. The presence of the arrow on the unlock image is shown below. (**Screenshot of the Samsung Conquer 4G unlock image with the arrow circled in yellow**)

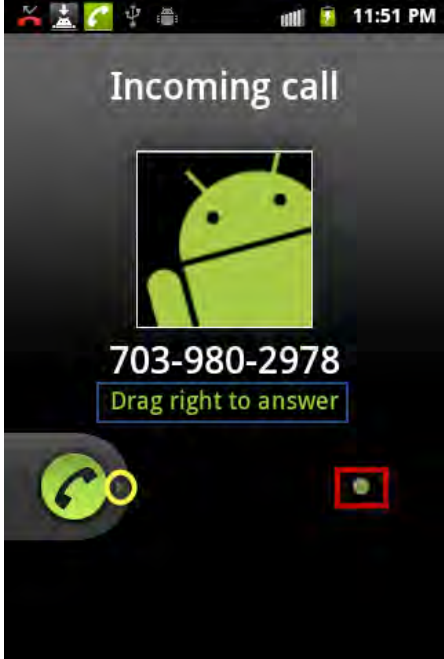| Claim 8	Infringement by the Samsung Conquer 4G
	Moreover, when the Samsung Conquer 4G detects user contact with the green unlock image, it displays a small green circle in the predefined unlock region on the right side of the display, providing the user with an additional visual cue regarding the direction of movement. (**Screenshot of the Samsung Conquer 4G as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement (highlighted in red)**)

Claim 8	Infringement by the Samsung Conquer 4G
	As a second example, the Samsung Conquer 4G displays an arrow on the incoming call unlock image. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone. The presence of the arrow on the unlock image is shown below. Further, when the Samsung Conquer 4G detects contact with the incoming call unlock image, it displays a green circle in the predefined unlock region on the locked home screen, also shown below. This green circle is a further visual cue directing the user's movement. Third, the Samsung Conquer 4G provides textual direction as well, instructing the user to "Drag right to answer." (**Screenshot of the incoming call screen displaying the various visual cues for unlocking the phone**)

EXHIBIT F4

DART

INFRINGEMENT CLAIM CHART FOR U.S. PATENT NO. 8,046,721

INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG DART (SGH-T499)

Claim 7[1]	Infringement by the Samsung Dart
7. A portable electronic device, comprising:[2]	To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Dart is a portable electronic device. Specifically, the Samsung Dart, which is available from T-Mobile, is an Android smartphone with a 3.14'' touch screen display. (*See* Samsung, Dart Specifications, http://www.samsung.com/us/mobile/cell-phones/SGH-T499MABTMB-specs). It weighs 3.8 oz. and measures 4.09'' (L) x 2.39'' (W) x 0.48'' (D). (*Id.*). Further, the Samsung Dart is powered by a rechargeable Lithium ion battery. (Samsung Dart User Manual, at 8). Further, the Dart is equipped with the Android 2.2, Froyo, operating system. (Samsung Dart Overview, http://www.samsung.com/us/mobile/cell-phones/SGH-T499MABTMB). (Samsung Dart Specifications, http://www.samsung.com/us/mobile/cell-phones/SGH-T499MABTMB-gallery).

[1] Pursuant to Apple Inc's List of Accused Products and Asserted Patent Claims Pursuant To Court Order of March 8, 2013, *see* D.I. 394 & 467, Apple is only asserting claim 8 of U.S. Patent No. 8,046,721. Because claim 8 is a dependent claim of claim 7, the infringement chart for claim 7 is included for reference.

[2] Apple's inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.

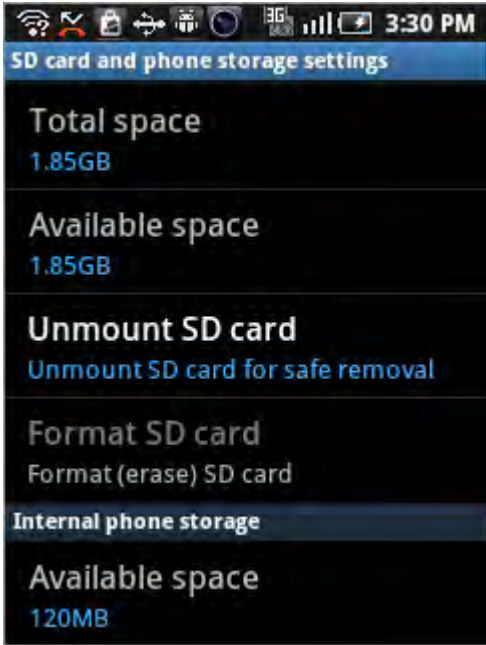| Claim 7[1]	Infringement by the Samsung Dart
a touch-sensitive display;	The Samsung Dart comprises a touch-sensitive display. According to the Samsung Dart's User Manual, it has a touch screen display and onscreen keyboard that allow the user to navigate the features of her phone and enter characters. (Dart User Manual, at 24). A user interacts with the Samsung Dart's applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to activate them, or swiping/sliding, meaning quickly dragging a finger vertically or horizontally across the screen. (*Id.* at 25).

Claim 7[1]	Infringement by the Samsung Dart
	(*Id.* at 25). The '721 specification makes clear that a touch-sensitive display is the same as a touchscreen display. (See '721 patent 1:25-26 ("Touch-sensitive displays (also known as 'touch screens' or 'touchscreens') are well known in the art.").

Claim 7[1]	Infringement by the Samsung Dart
memory;	The Samsung Dart comprises memory. Specifically, the Samsung Dart has internal memory, as shown in the screenshot below. (**Screenshot of Samsung Dart showing available internal phone memory and SD card memory**)
one or more processors;	The Samsung Dart comprises one or more processers. (*See* Samsung Dart Specifications, http://www.samsung.com/us/mobile/cell-phones/SGH-T499MABTMB-specs).

Claim 7[1]	Infringement by the Samsung Dart
one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:	The Samsung Dart comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. The Samsung Dart contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Dart's processor. This module allows the Samsung Dart to detect contact with the touchscreen. The Samsung Dart User Manual discloses some of those contacts that the contact/motion module detects, as shown below. **Navigating Through the Screens** The following terms describe the most common hardware and on-screen actions. • **Touch and hold**: Touch and hold an icon or key to open the available options, or to access a pop-up menu. For example: press and hold from the Home screen to access a menu of customization options.

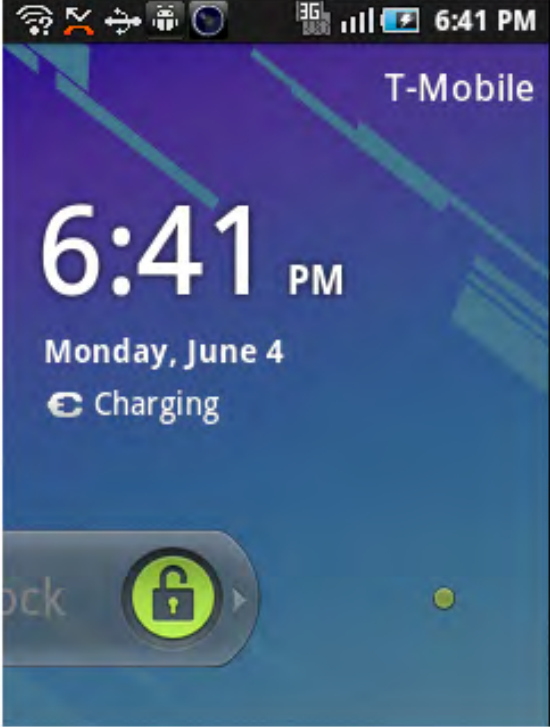| Claim 7[1]	Infringement by the Samsung Dart
	Press and hold Tap Touch and hold • **Press and hold**: Pressing relates to use of the hardware keys and buttons to select or activate an item. For example: press the Navigation key to scroll through a menu. Some buttons and keys require you to press and hold them to activate a feature, for example, you press the Lock key to lock and unlock the phone. • **Tap**: Use a brief touch to select items on the display or to enter text on the virtual QWERTY keyboard. For example: touch an Application icon to open the application. A light touch works best.

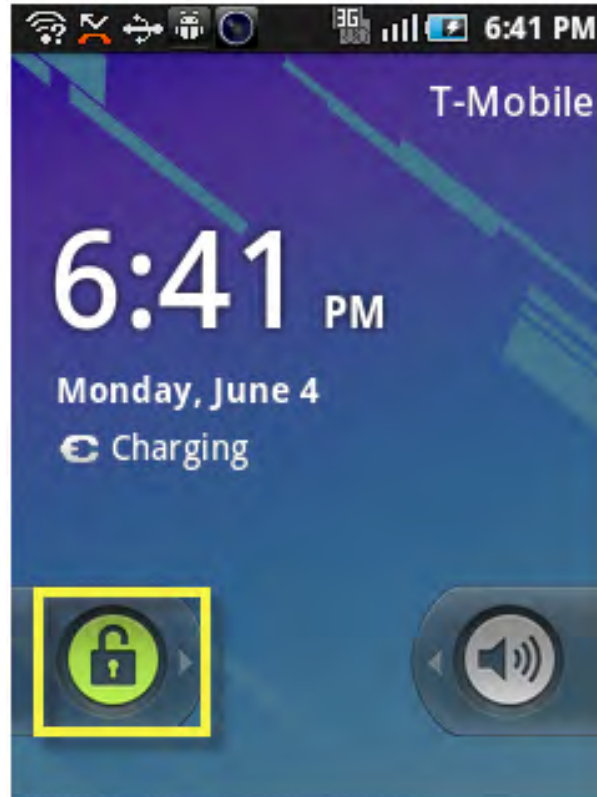| Claim 7[1]	Infringement by the Samsung Dart
	• **Swipe or slide**: Quickly drag your finger vertically or horizontally across the screen. This allows you to move the area of focus or to scroll through a list. For example: slide your finger left or right on the Home screen to scroll among the seven panels. (Dart User Manual, at 25).

Claim 7[1]	Infringement by the Samsung Dart
to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;	The Samsung Dart's one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. Specifically, the Samsung Dart includes instructions to, when the Dart's home screen is locked, display an unlock image at a predefined location at the left side of the touchscreen. As is shown in the screenshot below, this unlock image is a padlock icon on a green background with a circle around it. **(Screenshot of the locked home screen for the Samsung Dart, displaying the unlock image at a predefined location on the left side of the touchscreen display)**

Claim 7[1]	Infringement by the Samsung Dart
	Further, the Samsung Dart includes instructions to detect contact with this unlock image as a user touches and then slides the image to the right to unlock the phone. As is shown below, when the Dart detects contact with the unlock image, the circle containing a representation of the phone's volume on the right side of display disappears and a small green circle appears. This small green circle corresponds to the predefined unlock region. **(Screenshots of the Samsung Dart detecting a contact with the unlock image on the locked home screen)**

Claim 7[1]	Infringement by the Samsung Dart
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The Samsung Dart's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. Specifically, the Samsung Dart includes instructions that, as the user touches and slides the unlock image on the locked home screen, cause the Samsung Dart to continuously move the unlock image from left to right while the user maintains contact with the screen, as shown below. **(Screenshots showing the Samsung Dart continuously moving the unlock image as a user slides it to the right to unlock the phone)**

10

Claim 7[1]	Infringement by the Samsung Dart
	Moreover, the Samsung Dart's unlock image is a graphical, interactive user-interface object, namely a padlock icon on a green background with a circle around it, that the user touches and then slides across the touchscreen to unlock the phone, as shown below. **(Screenshot showing the unlock image (highlighted in yellow) on the locked Samsung Dart home screen)**

11

Claim 7[1]	Infringement by the Samsung Dart
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The Samsung Dart's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display. Specifically, the Samsung Dart's one or more modules include instructions to unlock when the user slides the green unlock image from its original, predefined location at the left side of the touch screen to a predefined unlock region on the right side of the display. The predefined unlock region is denoted by a small green circle as shown below. When the unlock image reaches the green circle, the phone unlocks and all applications on the phone are available to the user. **(Screenshots of the Samsung Dart showing the unlock image sliding to the right as a user unlocks the phone)**

Claim 8	Infringement by the Samsung Dart
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The Samsung Dart's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. Specifically, the Samsung Dart's one or more modules include instructions to display an arrow on the phone's green unlock image on the locked home screen. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone. The presence of the arrow on the unlock image is shown below. (**Screenshot of the Samsung Dart unlock image with the arrow circled in yellow**)
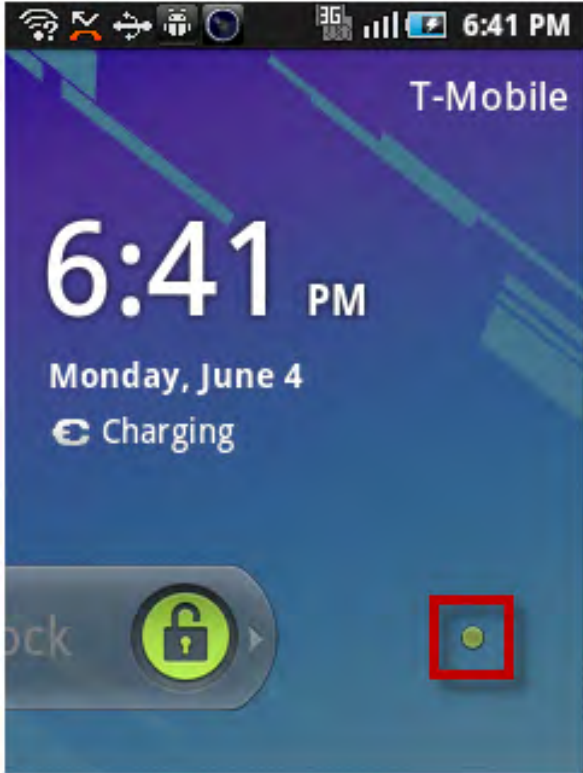
Claim 8	Infringement by the Samsung Dart
	Moreover, when the Samsung Dart detects user contact with the green unlock image, it displays a small green circle in the predefined unlock region on the right side of the display, providing the user with an additional visual cue regarding the direction of movement. **(Screenshot of the Samsung Dart as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement (highlighted in red))**

EXHIBIT F5

EXHIBIT II 4G

INFRINGEMENT CLAIM CHART FOR U.S. PATENT NO. 8,046,721

INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG EXHIBIT II 4G (SGH-T679)

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
7. A portable electronic device, comprising:[2]	To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Exhibit II 4G is a portable electronic device. Specifically, the Samsung Exhibit II 4G is an Android smartphone with a 3.7'' 16M TFT (480x800 pixel) touch screen display. (*See* Samsung, Samsung Exhibit II 4G Specifications, http://www.samsung.com /us/mobile/cell-phones/SGH-T679DBBTMB-specs). It weighs 4.0 oz. and measures 4.54'' (L) x 2.35'' (W) x 0.45'' (D). (*Id.*). It has a 1.0 GHz MSM8255 Qualcomm processor. (*Id.*). Further, the Samsung Exhibit II 4G is "powered by a rechargeable Li-ion battery." (Samsung Exhibit II 4G User Manual, at 10). (Samsung, Samsung Exhibit II 4G Gallery, http://www.samsung.com/us/mobile/cell-phones/SGH-T679DBBTMB-gallery).

---

[1] Pursuant to Apple Inc's List of Accused Products and Asserted Patent Claims Pursuant To Court Order of March 8, 2013, *see* D.I. 394 & 467, Apple is only asserting claim 8 of U.S. Patent No. 8,046,721. Because claim 8 is a dependent claim of claim 7, the infringement chart for claim 7 is included for reference.
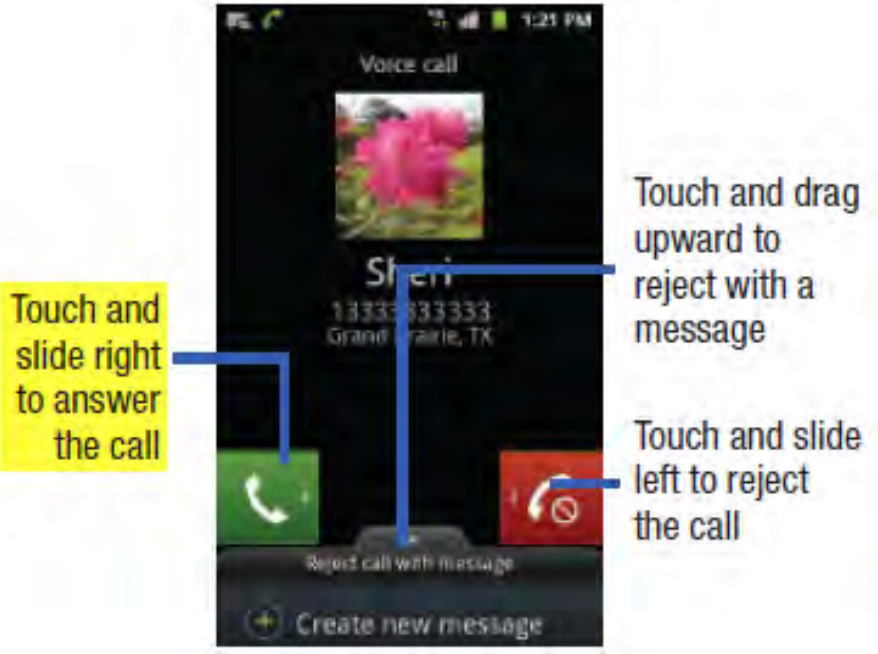
[2] Apple's inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
a touch-sensitive display;	Additionally, according to the Samsung Exhibit II 4G's User Manual, it has a touch screen that allows the user to "navigate the features of [her] phone and enter characters." (Exhibit II User Manual, at 28). A user interacts with the Samsung Exhibit II's applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to activate them, or swiping/sliding, meaning "quickly drag[ging] your finger vertically or horizontally across the screen." (*See* Exhibit II User Manual, at 28-29). (Exhibit II 4G User Manual, at 28). The '721 specification makes clear that a touch-sensitive display is the same as a touchscreen display. (*See* '721 patent 1:25-26 ("Touch-sensitive displays (also known as 'touch screens' or 'touchscreens') are well known in the art.")).

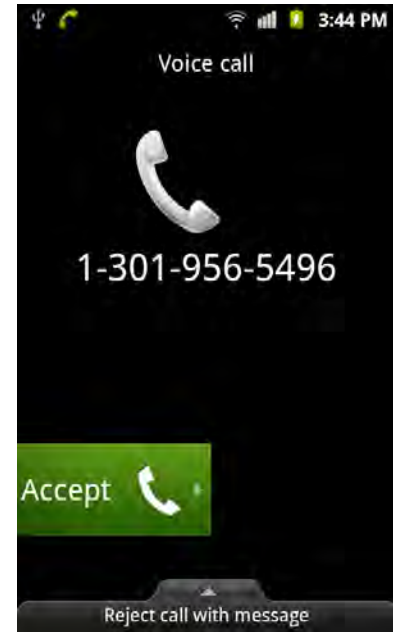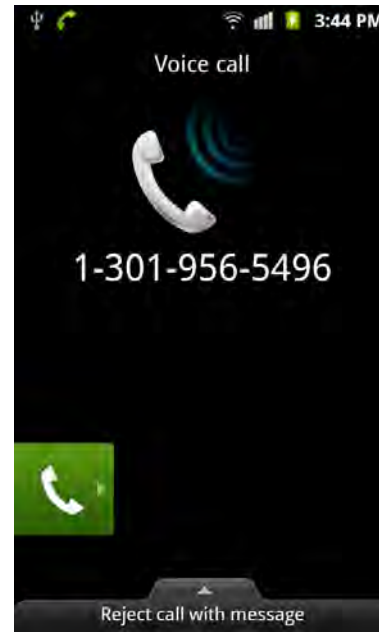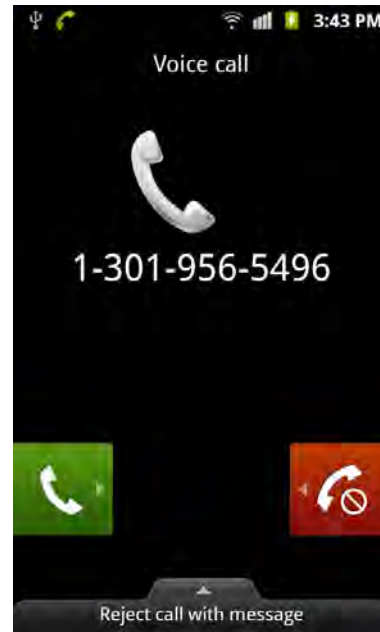| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
memory;	The Samsung Exhibit II 4G comprises memory. Specifically, the Samsung Exhibit II 4G has 512MB of random access memory and 4GB of ROM and supports an external microSD card. (Samsung, Exhibit II 4G Android Smartphone Specifications, http://www.samsung.com /us/mobile/cell-phones/SGH-T679DBBTMB-specs). **Memory** Internal Memory — 512MB RAM; 4GB ROM External Memory/microSD™ Capacity — microSD™ (*Id.*).
one or more processors;	The Samsung Exhibit II 4G comprises one or more processers. Specifically, the Samsung Exhibit II 4G has a 1.0 GHz MSM8255 Qualcomm processor. (*Id.*). **CPU / Processor** Processor Speed, Type — 1GHz, MSM8255, Qualcomm (Samsung, Samsung Exhibit II 4G Android Smartphone Specifications, http://www.samsung.com /us/mobile/cell-phones/SGH-T679DBBTMB-specs).

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:	The Samsung Exhibit II 4G comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. The Samsung Exhibit II 4G contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Exhibit II 4G's processor. This module allows the Samsung Exhibit II 4G to detect contact with the touchscreen. The Samsung Exhibit II 4G User Manual discloses some of those contacts that the contact/motion module detects, as shown below. • **Tap**: Use a brief touch to select items on the display or to enter text on the virtual QWERTY keyboard. For example: touch an Application icon to open the application. A light touch works best. • **Touch and hold**: Touch and hold an icon or key to open the available options, or to access a pop-up menu. For example: press and hold from the Home screen to access a menu of customization options. • **Flick**: Move your finger in lighter, quicker strokes than swiping. This finger gesture is always used in a vertical motion, such as when flicking through contacts or a message list. • **Swipe or slide**: Quickly drag your finger vertically or horizontally across the screen. This allows you to move the area of focus or to scroll through a list. For example: slide your finger left or right on the Home screen to scroll among the seven panels. • **Drag**: Press and hold your finger with some pressure before you start to move it. Do not release your finger until you have reached the target position. (Exhibit II 4G User Manual, at 29).

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;	The Samsung Exhibit II 4G's one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. Specifically, when the Samsung Exhibit II 4G receives a call, it displays the caller's phone number and an unlock image on the incoming call screen. (*See* Samsung Exhibit II 4G User Manual, at 50-51). The unlock image, which is a green icon containing the representation of a phone, appears at a predefined location at the left side of the Samsung Exhibit II 4G's touchscreen, as shown below. (*Id.*). The Samsung Exhibit II 4G detects contact with this unlock image as a user touches and slides the image to answer the call. (*Id.*). **Answering a Call** When somebody calls you, the phone rings and displays the incoming call image. The caller's phone number, picture, or name if stored in Contacts List, displays. ▶ At the incoming call screen: • Touch and slide 📞▶ to the right to answer the call.

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	(Representation from Samsung Exhibit II 4G User Manual showing unlock image on the incoming call screen) (*Id.*)

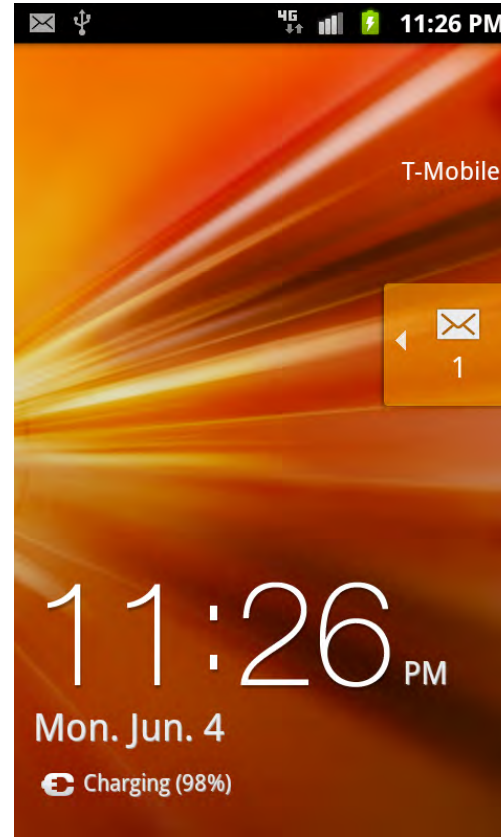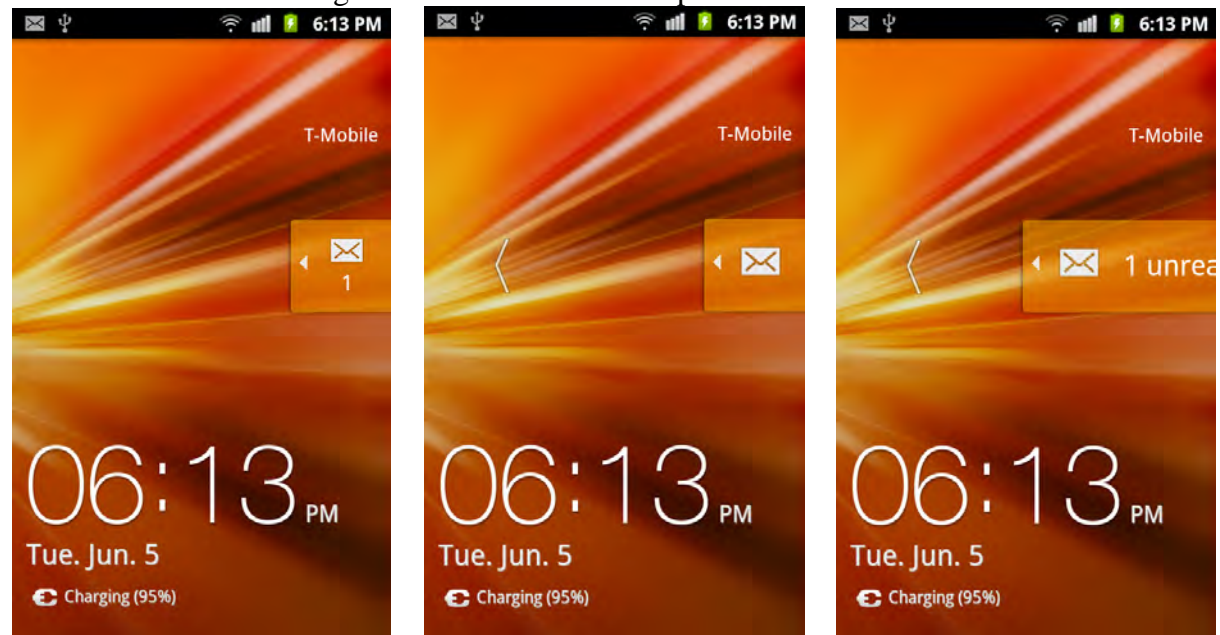| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	  (**Screenshots showing the green unlock image on the incoming call screen and showing the Exhibit II detecting contact with the green unlock image as user touches the screen and slides**)

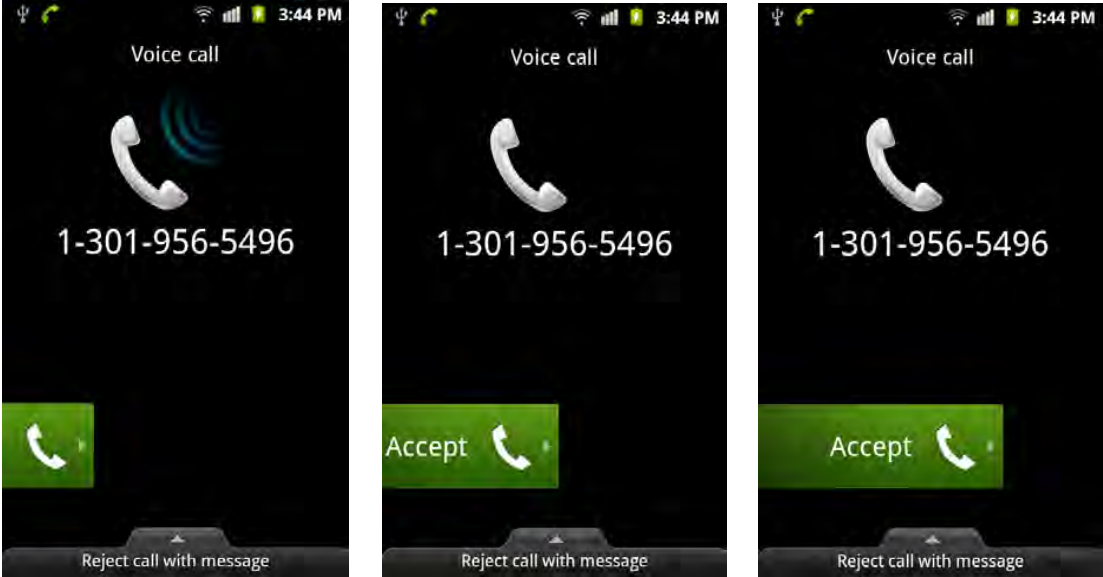| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	As a second example, when the Samsung Exhibit II 4G receives a text message while in the locked state, it displays a messaging unlock image on the locked home screen, as shown in the screenshot below.

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	The unlock image, which is an orange icon containing the representation of a text message, appears at a predefined location on the right side of the Samsung Exhibit II 4G's touchscreen, as shown above. The Samsung Exhibit II 4G detects contact with this unlock image as a user touches and slides the image to the left to unlock the phone. (**Screenshots showing the Exhibit II 4G detecting contact with the messaging unlock image (middle) and sliding the image to the left as the user slides her finger across the screen**)

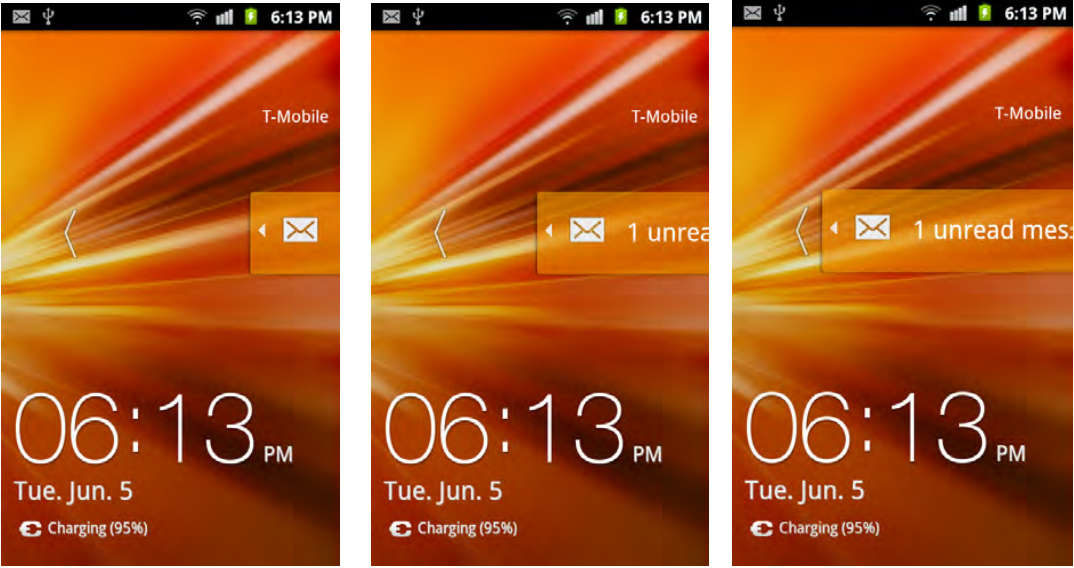| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	As a third example, when the user misses an incoming call, the Exhibit II 4G displays an unlock image on the locked home screen. The unlock image, which is a red icon containing the representation of a phone, appears at a predefined location at the left side of the Samsung Exhibit II 4G's touchscreen, as shown in the image from the user manual below. The Samsung Exhibit II 4G detects contact with this unlock image as a user touches and then slide the image to the right to unlock the phone and view missed call information. **Viewing Missed Calls from Lock Screen** When you are unable to answer a call for any reason and your screen is locked, the number of missed calls are displayed on the Lock screen immediately after a call is missed. To view a missed call immediately: 1. Press [⓪] to reactive the screen. 2. Touch and drag the button (with the number of missed calls on it) to the right. The Logs tab is then displayed. (Samsung Exhibit II 4G User Manual, at 62). When the Exhibit II 4G detects contact with the red missed call unlock image, a large white arrow like that show in the screenshot of the messaging unlock image appears in a predefined location at the right side of the touchscreen display.

10

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The Samsung Exhibit II 4G's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. Specifically, as the user touches and slides the unlock image on the incoming call screen, the Samsung Exhibit II 4G includes instructions to continuously move the unlock image from left to right on the touchscreen display provided the user maintains contact with the screen. (*See* Samsung Exhibit II 4G User Manual, at 50-51). (**Screenshots of the Samsung Exhibit II 4G showing the screen as a user touches and slides the unlock icon from left to right to unlock the phone**) (*Id.*)

11

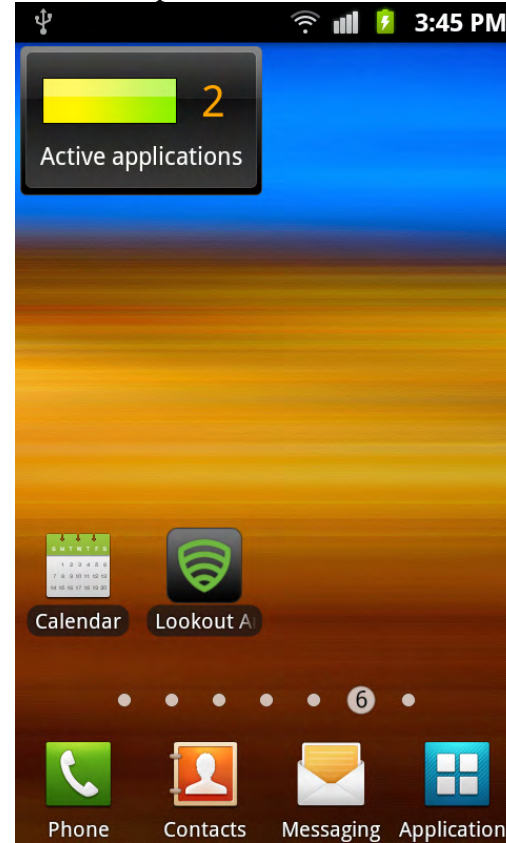| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	Specifically, at the incoming call screen, the Samsung Exhibit II 4G's unlock image is a graphical, interactive user-interface object, namely a green icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone. (*See* Samsung Exhibit II 4G User Manual, at 50-51). ▶ At the incoming call screen: • Touch and slide [icon] to the right to answer the call. (*Id.*). As a second example, as the user touches and slides the messaging unlock image on the locked home screen, the Samsung Exhibit II 4G includes instructions to continuously move the messaging unlock image from right to left on the touchscreen display provided the user maintains contact with the screen. **(Screenshots of the Exhibit II 4G showing continuous movement of the unlock image from right to left as the user slides her finger across the screen towards the unlock region)**

12

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	As a third example, as the user touches and then slides the missed call unlock image on the locked home screen, the T-Mobile Samsung Galaxy SII continuously moves the unlock image from the left to the right while the user maintains contact with the screen. Further, the unlock image, as shown below, is a graphical, interactive user-interface object, namely a red icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone. **Viewing Missed Calls from Lock Screen** When you are unable to answer a call for any reason and your screen is locked, the number of missed calls are displayed on the Lock screen immediately after a call is missed. To view a missed call immediately: 1. Press ▭ⓞ▭ to reactive the screen. 2. Touch and drag the button (with the number of missed calls on it) to the right.The Logs tab is then displayed. (Samsung Exhibit II 4G User Manual, at 62).

13

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The Samsung Exhibit II 4G's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.

For example, the Samsung Exhibit II 4G includes instructions to unlock the phone to permit the user to answer an incoming phone call. When the user slides the green unlock image from its original location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display, the phone unlocks to facilitate the call. (*See* Samsung Exhibit II 4G User Manual, at 50-51).

(Screenshots of the Exhibit II 4G as a user slides the green unlock image to the right until it reaches the unlock region on the right side of the phone and unlocks) |

14

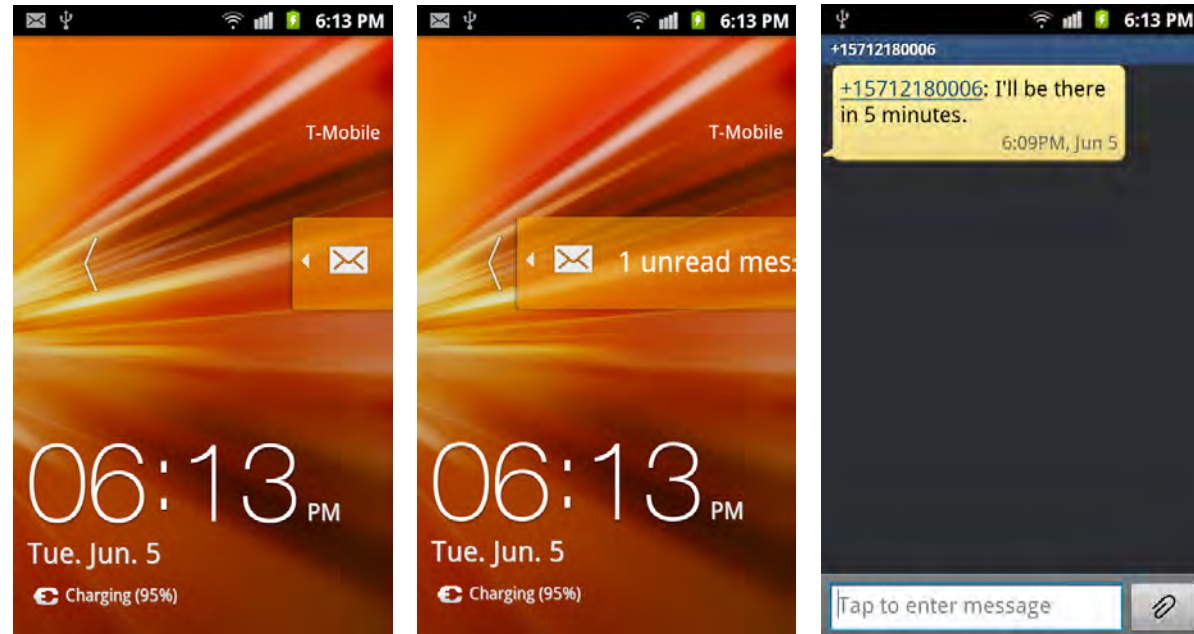| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	After the user answers and then terminates the call, all the applications on the phone are unlocked for the user to use. Thus, the phone is in a user-interface unlock state. **(Screenshot of the unlocked Exhibit II 4G after a user has answered and terminated the phone call)**

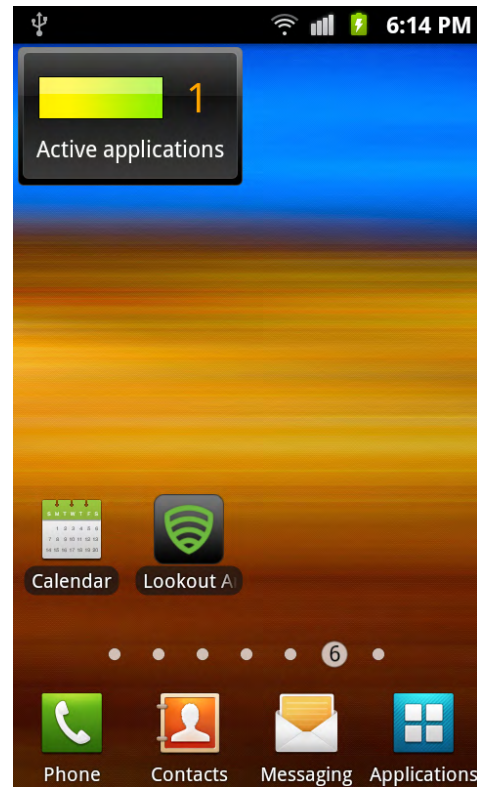| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	As a second example, the Samsung Exhibit II 4G includes instructions to unlock the phone when the user slides the messaging unlock image across the touchscreen. Specifically, when the user slides the orange messaging unlock image from its original location at the right side of the touch-sensitive display to a predefined unlock region on the left side of the touch-sensitive display, the phone unlocks to allow the user to read the new text message. **(Screenshots showing the movement of the messaging unlock icon from the first predefined region to the second predefined unlock region, resulting in unlocking the phone)**

Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	After the user unlocks the phone by sliding the orange messaging unlock image to the predefined unlock region, all applications on the phone are available to the user. Thus, the phone is in a user-interface unlock state. (**Screenshot of the unlocked Exhibit II 4G after the user has exited the Messaging application**)

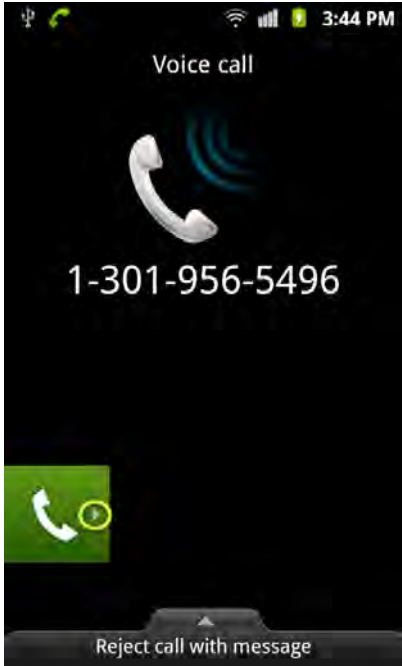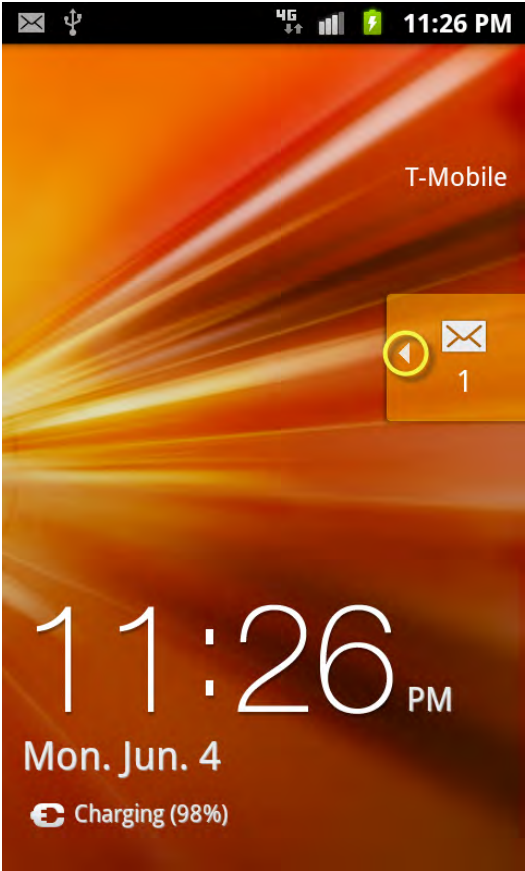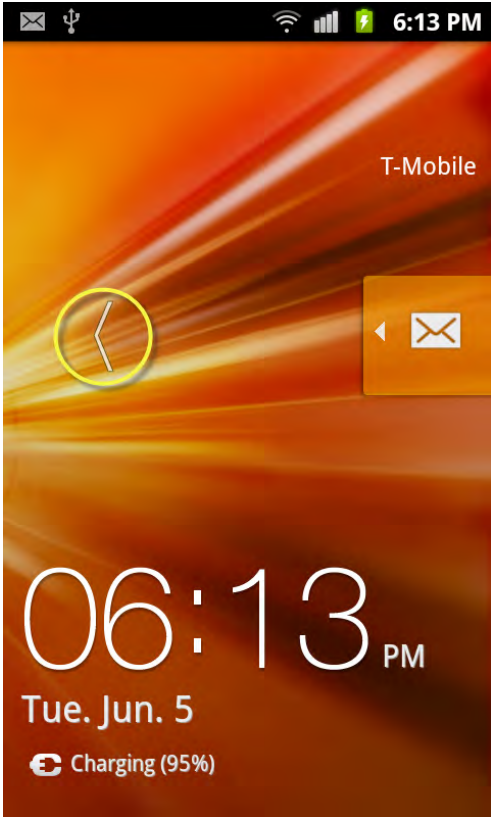| Claim 7[1]	Infringement by the Samsung Exhibit II 4G
	As a third example, the Exhibit II 4G unlocks to permit the user to view missed call information when the user touches and then slides the red missed call unlock image from its original, predefined location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display. The predefined unlock region is denoted by a large white arrow on the right side of the touchscreen display. **Viewing Missed Calls from Lock Screen** When you are unable to answer a call for any reason and your screen is locked, the number of missed calls are displayed on the Lock screen immediately after a call is missed. To view a missed call immediately: 1. Press ⏻ to reactive the screen. 2. Touch and drag the button (with the number of missed calls on it) to the right.The Logs tab is then displayed. (Samsung Exhibit II 4G User Manual, at 62). After the user unlocks the phone by sliding the red missed call unlock image to the predefined unlock region, all applications on the phone are available to the user. Thus, the phone is in a user-interface unlock state.

18

Claim 8	Infringement by the Samsung Exhibit II 4G
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The Samsung Exhibit II 4G's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. In particular, the Samsung Exhibit II 4G includes instructions to display an arrow on the phone's green unlock image on the incoming call screen. (*See* Exhibit II 4G User Manual, at 50-51). The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and answer an incoming call. (*Id.*). The presence of the arrow on the unlock image is shown below. ► At the incoming call screen: • Touch and slide [icon] to the right to answer the call. (**Screenshot of the Samsung Exhibit II 4G with the arrow circled in yellow**)

19

Claim 8	Infringement by the Samsung Exhibit II 4G
	As a second example, the Samsung Exhibit II 4G includes instructions to display an arrow on the phone's orange messaging unlock image on the locked home screen. The arrow is a visual cue that directs the user to slide the image to the left to unlock the phone and read the new text message. The presence of the arrow on the messaging unlock image is shown below. (**Image from the Samsung Exhibit II 4G with the arrow on the messaging unlock image circled in yellow**)

Claim 8	Infringement by the Samsung Exhibit II 4G
	Moreover, after the Samsung Exhibit II 4G detects user contact with the messaging unlock image, it displays a white arrow on the left side of the screen, further guiding the user's movement. **(Screenshot of the Samsung Exhibit II 4G after a user contact with the unlock screen is detected, displaying a second arrow to guide the user's movement (arrow circled in yellow))**

21

Claim 8	Infringement by the Samsung Exhibit II 4G
	As a third example, the Samsung Exhibit II 4G displays an arrow on the phone's red missed call unlock image on the locked home screen, as shown below. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and view the missed call log. (Image of Exhibit II 4G showing presence of arrow (circled in yellow) on unlock image) (Exhibit II 4G User Manual, at 62). Moreover, when the Exhibit II 4G detects user contact with the red unlock image, it displays a second arrow in the predefined unlock region on the right side of the display, providing the user with an additional visual cue regarding the direction of movement.

EXHIBIT F6

GALAXY NEXUS

INFRINGEMENT CLAIM CHART FOR U.S. PATENT NO. 8,046,721

INFRINGEMENT OF U.S. PATENT NO. 8,046,721[1] BY THE SAMSUNG GALAXY NEXUS[2]

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
7. A portable electronic device, comprising:[4]	To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Galaxy Nexus is a portable electronic device. Specifically, the Samsung Galaxy Nexus is an Android smartphone with a 4.65'' HD Super AMOLED contoured touch screen display. (*See* Samsung, Galaxy Nexus Specifications, http://www.samsung.com /us/mobile/cell-phones/SCH-I515MSAVZW-specs). It weighs 5.1 oz. and measures 5.33'' (L) x 2.67'' (W) x 0.37'' (D). (*Id.*). Further, the Samsung Galaxy Nexus is equipped with a Lithium ion (Li-ion) battery. (*Id.*). (Google, Galaxy Nexus Gallery, http://www.google.com/nexus/#/gallery).

---

[1]   Apple notes that Samsung appears in some instances to be pursuing broad constructions of various limitations of the asserted claims of the '721 patent. This claim chart takes into account Samsung's broad construction of the claim limitations. Any assertion that a particular limitation is met may be based on Samsung's apparent constructions and is not intended to be, and is not, an admission that such constructions are supportable or proper. Apple reserves the right to argue that said feature or functionality does not practice any limitation of any of the asserted claims.

[2]   Citations to specifications in these claim charts are generally to the Verizon Galaxy Nexus specifications on Samsung's website. However, the functionality accused in these charts does not vary across carriers. The Samsung Galaxy Nexus is currently available from Verizon, Sprint, and Google. The specifications for the Sprint Galaxy Nexus are available at http://www.samsung.com/us/mobile/cell-phones/SPH-L700ZKASPR-specs. The specifications for the Galaxy Nexus available from Google can be found at https://play.google.com/store/devices/details/Galaxy_Nexus_HSPA?id=galaxy_nexus_hspa&hl=en.

[3]   Pursuant to Apple Inc's List of Accused Products and Asserted Patent Claims Pursuant To Court Order of March 8, 2013, *see* D.I. 394 & 467, Apple is only asserting claim 8 of U.S. Patent No. 8,046,721. Because claim 8 is a dependent claim of claim 7, the infringement chart for claim 7 is included for reference.

[4]   Apple's inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.

| '721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
a touch-sensitive display;	The Samsung Galaxy Nexus comprises a touch-sensitive display. For example, the Samsung Galaxy Nexus includes a touchscreen, which allows the user to manipulate, *inter alia*, applications and menus by touching the screen with her finger or a stylus. (See Samsung, Galaxy Nexus Android Smartphone Specs, http://www.samsung.com us/mobile/cell-phones/SCH-I515MSAVZW-specs). A user interacts with the Samsung Galaxy Nexus's applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to activate them, or sliding her finger vertically or horizontally across the screen. (Samsung Galaxy Nexus User Guide, at 9). According to the Galaxy Nexus User's Guide, the Samsung Galaxy Nexus detects movements on the touch screen display and executes a variety of actions depending on the nature of the touch. For example, common gestures include: ▶ **Touch & hold**: Touch & hold an item on the screen by touching it and not lifting your finger until an action occurs. ▶ **Drag**: Touch & hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. For example, you can drag to reposition shortcuts on the Home screen. ▶ **Swipe or slide**: Quickly move your finger across the surface of the screen, without pausing when you first touch (so you don't drag something instead). For example, you can slide a Home screen left or right to view the other Home screens. ▶ **Double-tap**: Tap quickly twice on a webpage, map, or other screen to zoom. For example, double-tap a webpage in Browser to zoom in, and double-tap again to zoom out. ▶ **Pinch**: In some apps (such as Maps, Browser, and Gallery), you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in). (Samsung Galaxy Nexus User Guide, at 9). The '721 specification makes clear that a touch-sensitive display is the same as a touchscreen display. (See '721 patent 1:25-26 ("Touch-sensitive displays (also known as 'touch screens' or 'touchscreens') are well known in the art.")).

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
memory;	The Samsung Galaxy Nexus comprises memory. Specifically, the Samsung Galaxy Nexus has 32GB of internal memory. (Samsung, Galaxy Nexus Specifications, http://www.samsung.com/us/mobile/cell-phones/SCH-I515MSAVZW-specs). **Memory** Internal Memory 32GB (*Id.*).
one or more processors;	The Samsung Galaxy Nexus comprises one or more processers. Specifically, the Samsung Galaxy Nexus has a 1.2 GHz dual-core processor. (*Id.*). **CPU / Processor** Processor Speed, Type 1.2GHz Dual-Core Processor (Samsung, Galaxy Nexus Specifications, http://www.samsung.com/us/mobile/cell-phones/SCH-I515MSAVZW-specs).

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:	The Samsung Galaxy Nexus comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. The Samsung Galaxy Nexus contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Galaxy Nexus's processor. This module allows the Samsung Galaxy Nexus to detect contact with the touchscreen. The Samsung Galaxy Nexus User Guide discloses some of those contacts that the contact/motion module detects, as shown below. ▶ **Touch & hold**: Touch & hold an item on the screen by touching it and not lifting your finger until an action occurs. ▶ **Drag**: Touch & hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. For example, you can drag to reposition shortcuts on the Home screen. ▶ **Swipe or slide**: Quickly move your finger across the surface of the screen, without pausing when you first touch (so you don't drag something instead). For example, you can slide a Home screen left or right to view the other Home screens. ▶ **Double-tap**: Tap quickly twice on a webpage, map, or other screen to zoom. For example, double-tap a webpage in Browser to zoom in, and double-tap again to zoom out. ▶ **Pinch**: In some apps (such as Maps, Browser, and Gallery), you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in). (Samsung Galaxy Nexus User Guide, at 9).

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;	The Samsung Galaxy Nexus's one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. For example, when locked, the Galaxy Nexus's home screen contains an unlock image at a predefined location at the bottom center of the screen, as shown in the screenshot below. Prior to user contact with the screen, this unlock image is a white circle that surrounds the image of a locked padlock. **(Screenshot of the locked home screen for the Ice Cream Sandwich version of the Samsung Galaxy Nexus ("ICS Samsung Galaxy Nexus"), displaying the unlock image at a predefined location at the bottom center of the touchscreen display)**
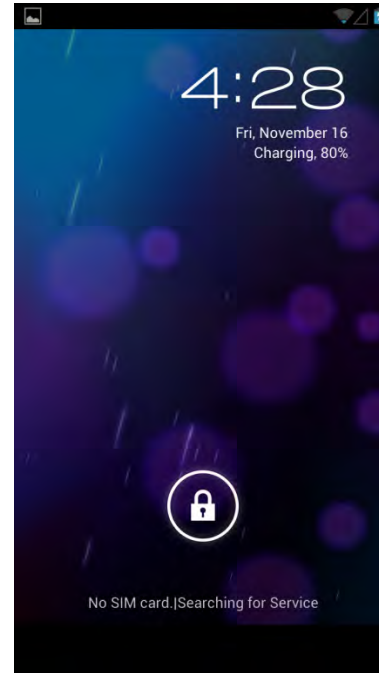
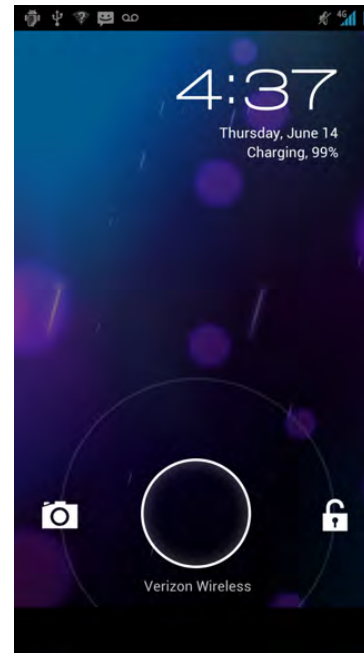| '721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	  (Screenshot of the locked home screen for the Jelly Bean version of the Samsung Galaxy Nexus ("JB Samsung Galaxy Nexus"), displaying the unlock image at a predefined location at the bottom center of the touchscreen display) The default setting for both the ICS and JB Samsung Galaxy Nexuses is set such that the Galaxy Nexus's home screen, when locked, contains an unlock image at a predefined location in the bottom center of the screen (as shown above).

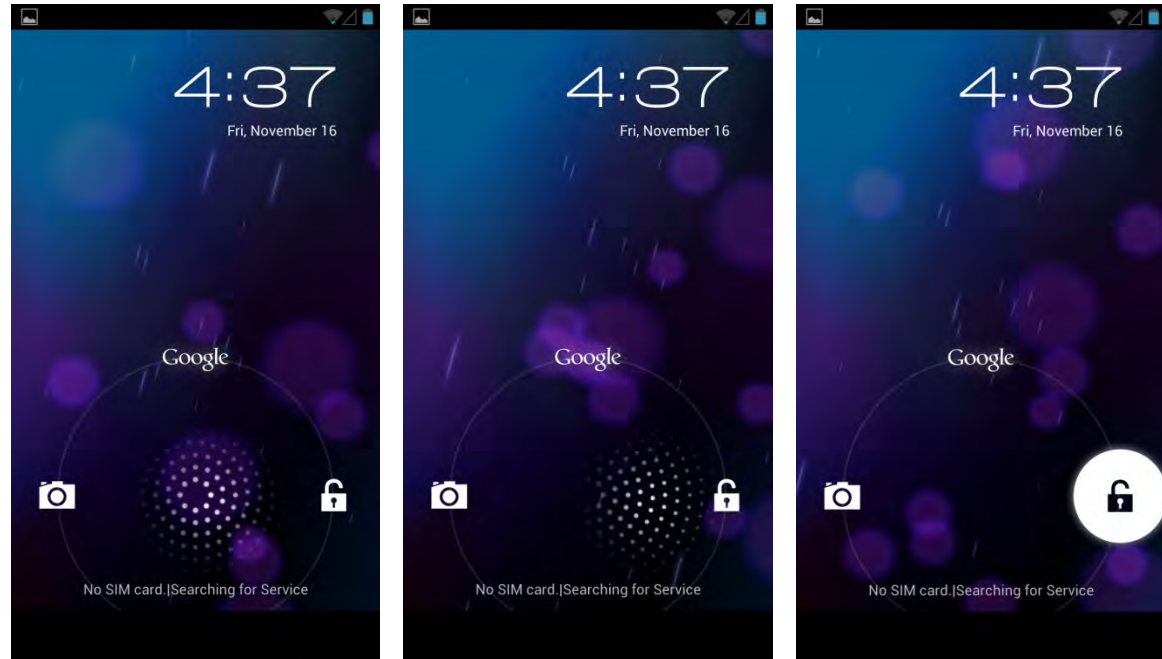| '721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	The ICS Samsung Galaxy Nexus detects contact with this unlock image as a user touches and then slides the image away from its original, predefined location to unlock the phone. As is shown below, when the ICS Galaxy Nexus detects contact with the unlock image, the image of an unlocked padlock appears on the right side of the touchscreen display. The unlocked padlocked is associated with a large white circle that surrounds the unlock image on the phone's display, as shown below. This unlocked padlock corresponds to a predefined unlock region. **(Screenshot of the Samsung Galaxy Nexus detecting a contact with the unlock image on the locked home screen)**

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	Similarly, when the JB Samsung Galaxy Nexus detects contact with a user's finger within a predefined radius of this unlock image, the JB Galaxy Nexus animates the unlock image to spotlight the user's finger. This spotlighted unlock image displays underneath and within a radius surrounding the user's finger. This image consists of a grouping of white dots in black space, with its location corresponding to the location of the user's touch. **(Screenshot of the JB Samsung Galaxy Nexus detecting a contact with the unlock image on the locked home screen)**
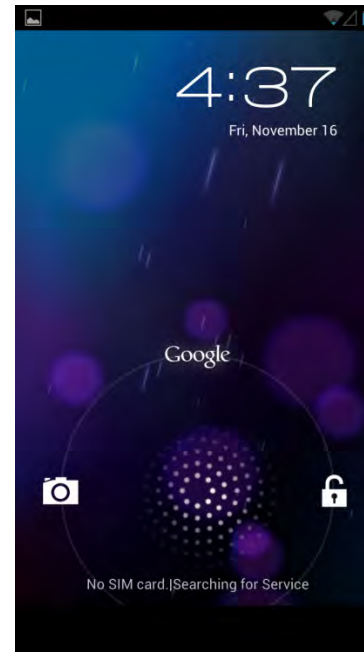
'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The Samsung Galaxy Nexus's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. For example, as the user touches and slides the unlock image toward the unlock region on the locked home screen, the ICS Samsung Galaxy Nexus continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below. **(Screenshots showing the ICS Samsung Galaxy Nexus continuously moving the unlock image as a user slides it to the right to unlock the phone)**

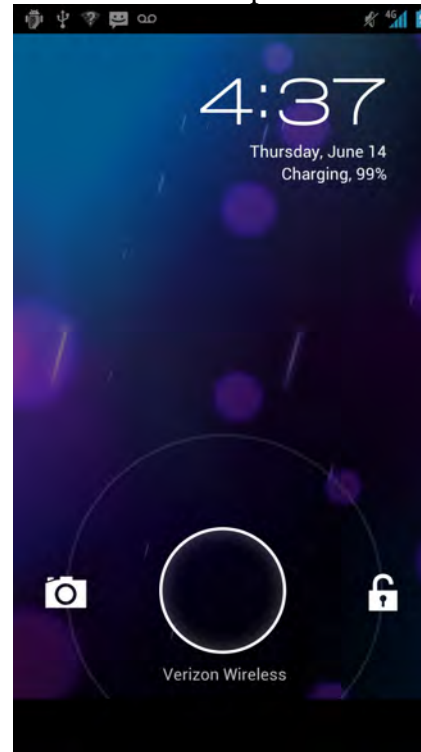| '721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	Similarly, in the JB Galaxy Nexus, when the user maintains contact with the locked home screen and moves their finger along the screen from the original, predefined location toward the unlocked padlock image, the spotlighted unlock image is continually moved away from its initial location toward the unlocked padlock image, in accordance with the movement of the user's finger, in order to unlock the device. **(Screenshots showing the JB Samsung Galaxy Nexus continuously moving the unlock image as a user slides it to the right to unlock the phone)**

10

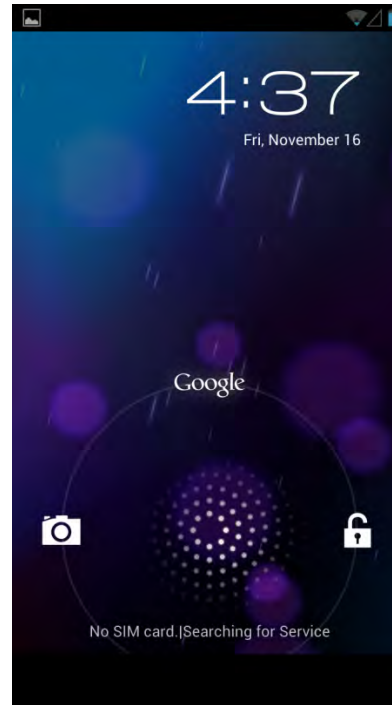| '721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	Moreover, the Samsung Galaxy Nexus's unlock image is a graphical, interactive user-interface object. In the ICS Galaxy Nexus, the graphical, interactive user-interface object consists of a white circle that, prior to user contact with the screen, surrounds the image of a locked padlock. The user may interact with this icon to unlock the phone. **(Screenshot showing the unlock image on the locked ICS Samsung Galaxy Nexus home screen**)

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	In the JB Galaxy Nexus, the graphical, interactive user-interface object consists of an animated grouping of white dots in black space displayed underneath and within a radius surrounding the user's finger. The user may interact with this unlock image to unlock the phone. **(Screenshot showing the unlock image on the locked JB Samsung Galaxy Nexus home screen)**

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The Samsung Galaxy Nexus's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display. For example, the ICS Samsung Galaxy Nexus unlocks when the user slides the white unlock image from its original, predefined location at the bottom center of the touch screen to a predefined unlock region on the right side of the display. The predefined unlock region is denoted by the image of an unlocked padlocked, as shown below. (**Screenshots of the ICS Samsung Galaxy Nexus showing the unlock image sliding to the right as a user unlocks the phone**)

13

'721 Claim 7[3]	Infringement by the Samsung Galaxy Nexus
	Similarly, when the JB Galaxy Nexus detects contact with the user's finger within a predefined radius of the circled padlock unlock image at the bottom center of the locked home screen, the image of an unlocked padlock appears on the bottom right side of the touchscreen display. A predefined distance from this unlocked padlock corresponds to a predefined unlock region. When the user slides the unlock image from its original, predefined location at the bottom center of the touch screen to this predefined unlock region, for example, the device will highlight the unlocked padlock image and unlock, as shown below. **(Screenshots of the JB Samsung Galaxy Nexus showing the unlock image sliding to the right as a user unlocks the phone)**

14

'721 Claim 8	Infringement by the Samsung Galaxy Nexus
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The Samsung Galaxy Nexus's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, when the locked ICS Samsung Galaxy Nexus detects contact with the user's finger on the unlock image on the home screen, the image of an unlocked padlock appears on the right side of the screen. This image is a visual cue to the user that the unlock image should be moved to right to unlock the phone. **(Screenshots of the ICS Samsung Galaxy Nexus unlock image, displaying visual cues to direct the user's movement)**

'721 Claim 8	Infringement by the Samsung Galaxy Nexus
	Moreover, when the unlock image first appears on the unlock screen of the locked ICS Samsung Galaxy Nexus, an animation of "chevrons" moving from the unlock image to the right of the screen plays, which is a visual cue communicating a direction of movement of the unlock image required to unlock the device. The chevrons are displayed in the screenshot above. This animation is also replayed if the user touches the unlock image and releases the touch without moving the unlock image to the predetermined unlock region. Similarly, when the locked JB Samsung Galaxy Nexus detects contact with the user's finger within a predefined radius of the circled padlock unlock image, the image of an unlocked padlock appears to the right of the unlock image on the touchscreen display. This image is a visual cue to the user that the unlock image may be moved to right to unlock the phone. **(Screenshots of the JB Samsung Galaxy Nexus unlock image, displaying visual cues to direct the user's movement)**

16

EXHIBIT F7

GALAXY SII

INFRINGEMENT CLAIM CHART FOR U.S. PATENT NO. 8,046,721

INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE AT&T SAMSUNG GALAXY SII[1]

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
7. A portable electronic device, comprising:[3]	To the extent that the preamble of claim 7 may be construed to be limiting, the AT&T Samsung Galaxy SII is a portable electronic device. Specifically, the AT&T Samsung Galaxy SII is a smartphone with a 4.27'' Super AMOLED Plus screen. (*See* Samsung, AT&T Samsung Galaxy SII Android Smartphone, Features, http://www.samsung.com/ us/mobile/cell-phones/SGH-I727MSAATT-features (last visited Apr. 20, 2012)). It weighs 4.3 oz. and measures 4.96'' (L) x 2.60'' (W) x 0.35'' (D). (*Id.*). Further, the AT&T Samsung Galaxy SII is "powered by a rechargeable Li-ion battery." (AT&T Samsung Galaxy SII User Manual, at X). (Samsung, AT&T Samsung Galaxy SII, Gallery, http://www.samsung.com/us/mobile/cell-phones/SGH-I777ZKAATT-gallery).

[1] The Samsung Galaxy SII is available in two versions: AT&T and T-Mobile. The screenshots and specifications provided in these claim charts are exemplary and come from an AT&T Galaxy SII. The functionality described in this document is identical on the T-Mobile Galaxy SII. Therefore, this chart applies to the T-Mobile Galaxy SII as well. The specifications for the T-Mobile Galaxy SII can be found at http://www.samsung.com/us/mobile/cell-phones/SGH-T989ZWBTMB-specs.

[2] Pursuant to Apple Inc's List of Accused Products and Asserted Patent Claims Pursuant To Court Order of March 8, 2013, *see* D.I. 394 & 467, Apple is only asserting claim 8 of U.S. Patent No. 8,046,721. Because claim 8 is a dependent claim of claim 7, the infringement chart for claim 7 is included for reference.
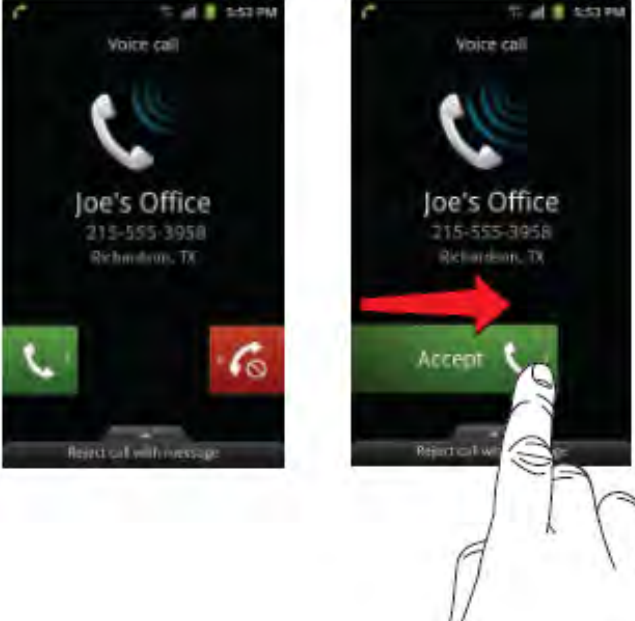
[3] Apple's inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
a touch-sensitive display;	The AT&T Samsung Galaxy SII comprises a touch-sensitive display. In particular, according to the AT&T Samsung Galaxy SII's User Manual, it has a touch screen that "provides quick responses to a variety of in-phone menus and options including applications and seven home screens." (AT&T Samsung Galaxy SII User Manual, at 13). A user interacts with the AT&T Samsung Galaxy SII's applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to activate them, or "sweeping," meaning "lightly drag[ging] your finger vertically or horizontally across the screen." (*See* AT&T Samsung Galaxy SII User Manual, at 27). (AT&T Samsung Galaxy SII User Manual, at 29). The '721 specification makes clear that a touch-sensitive display is the same as a touchscreen display. (*See* '721 patent 1:25-26 ("Touch-sensitive displays (also known as 'touch screens' or 'touchscreens') are well known in the art.").

| Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
memory;	The AT&T Samsung Galaxy SII comprises memory. Specifically, the AT&T Samsung Galaxy SII has 16GB of internal memory and supports an external microSD card. (Samsung, AT&T Samsung Galaxy SII Android Smartphone, Specs, http://www.samsung.com/us/mobile/cell-phones/SGH-I777ZKAATT-specs). **Memory** Internal Memory — 16GB/1024MB RAM (4GLPDDR*2) External Memory/microSD™ Capacity — microSD™ Card (Samsung, AT&T Samsung Galaxy SII Android Smartphone, Specs, http://www.samsung.com/us/mobile/cell-phones/SGH-I777ZKAATT-specs).
one or more processors;	The AT&T Samsung Galaxy SII comprises one or more processers. Specifically, the AT&T Samsung Galaxy SII has a 1.2 GHz dual-core processor. (Samsung, AT&T Samsung Galaxy SII Android Smartphone, Specs, http://www.samsung.com/us/mobile/cell-phones/SGH-I777ZKAATT-specs). **A faster phone for speedier web browsing** Inside the Galaxy S™ II, there's a dual core processor tirelessly keeping things moving. You'll have a full 1.2 GHz of computing power. The Galaxy S™ II keeps your movies moving. Games and apps run smoothly. Websites load almost instantly. And jaws drop even faster. As for network capability, it's specifically engineered to run on AT&T's state-of-the-art 4G network. (Samsung, AT&T Samsung Galaxy SII Android Smartphone, Features, http://www.samsung.com/us/mobile/cell-phones/SGH-I777ZKAATT-features).

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:	The AT&T Samsung Galaxy SII comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. The AT&T Samsung Galaxy SII contains, among other modules, a contact/motion module in its memory that is configured for execution by the AT&T Samsung Galaxy SII's processor. This module allows the AT&T Samsung Galaxy SII to detect contact with the touchscreen. The AT&T Samsung Galaxy SII User Manual discloses some of those contacts that the contact/motion module detects, as show below. **Tap** Lightly touch items to select or launch them. For example: • Tap the on screen keyboard to enter characters or text. • Tap a menu item to select it. • Tap an application's icon to launch the application. **Touch and Hold** Activate on-screen items by a touch and hold gesture. For example: • Touch and hold a widget on the home screen to move it. • Touch and hold on a field to display a pop-up menu of options. **Sweep** To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when: • Unlocking the screen • Scrolling through the Home screen or a menu

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	Panning To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to: • Move icons on your Home screens or Application Menus to another page. (AT&T Samsung Galaxy SII User Manual, at 27-28).
to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;	The AT&T Samsung Galaxy SII's one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. Specifically, when the AT&T Samsung Galaxy SII receives a call, it displays the caller's phone number and an unlock image on the incoming call screen. (*See* AT&T Samsung Galaxy SII Manual, at 41). The unlock image, which is a green icon containing the representation of a phone, appears at a predefined location at the left side of the AT&T Samsung Galaxy SII's touchscreen, as shown below. (*Id.*). The AT&T Samsung Galaxy SII detects contact with this unlock image as a user touches and slides the image to answer the call. (*Id.*). **Answering a Call** When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book. 1. At the incoming call screen: • Touch and slide 📞 to the right to answer the call.
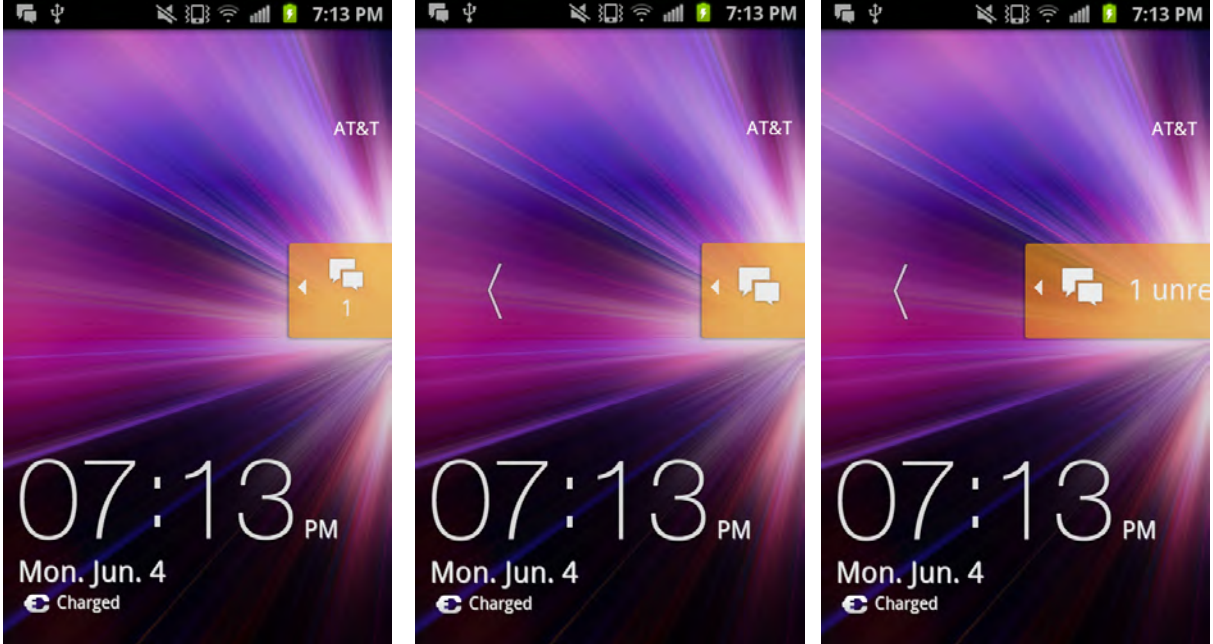
Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	(Representation from AT&T Samsung Galaxy SII User Manual showing user touching unlock icon) (*Id.*) As a second example, when the AT&T Samsung Galaxy SII receives a text message while in the locked state, it displays a messaging unlock image on the locked home screen, as shown in the screenshot below.
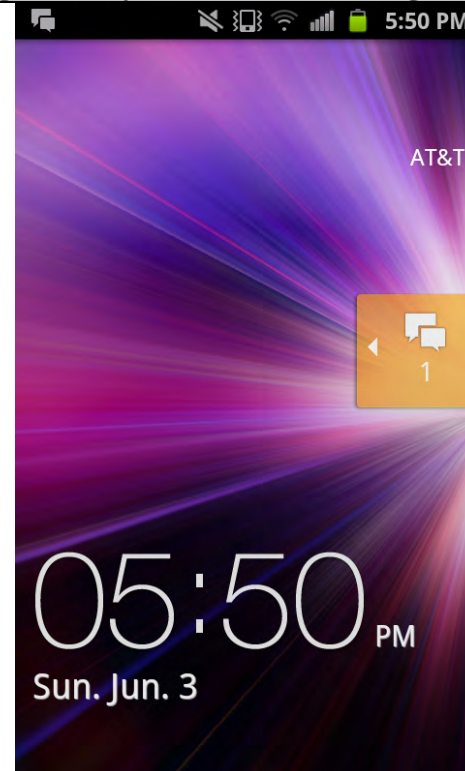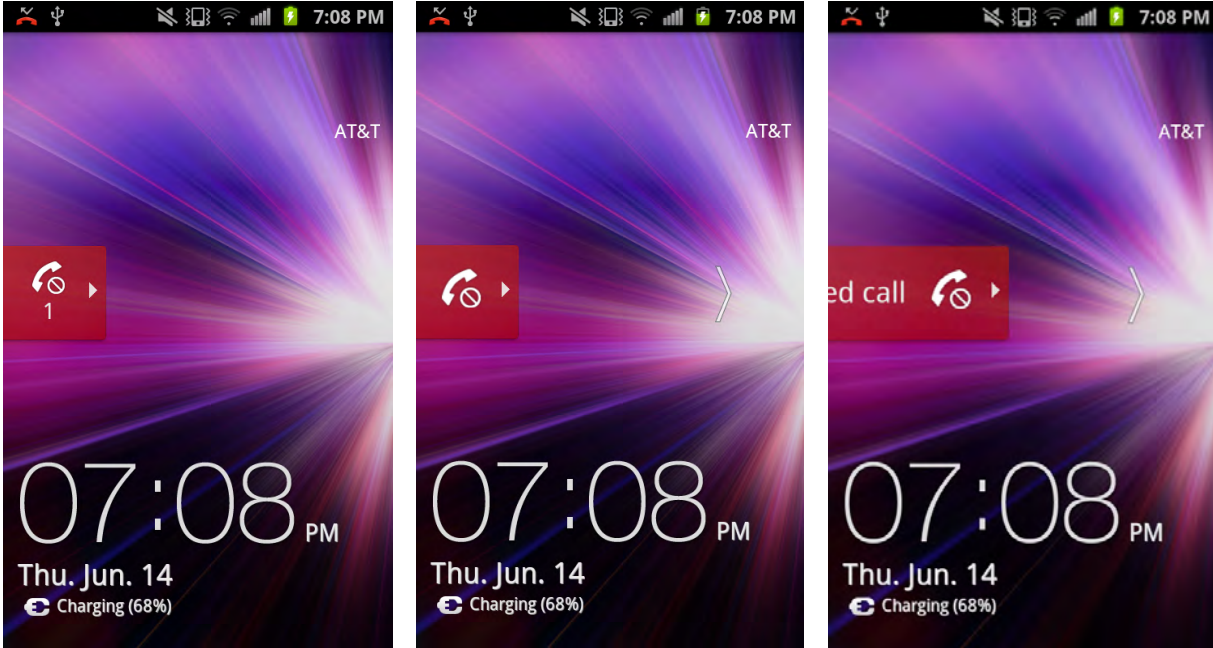
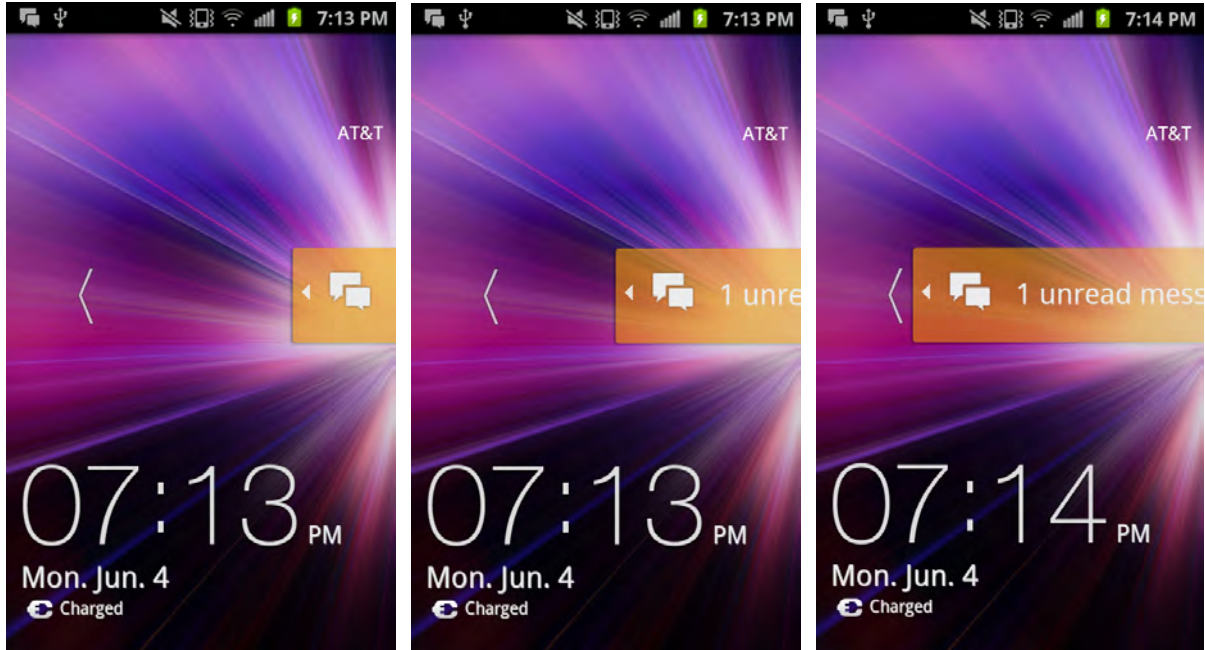| Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	The unlock image, which is an orange icon containing the representation of the messaging application, appears at a predefined location on the right side of the AT&T Samsung Galaxy SII's touchscreen, as shown above. The AT&T Samsung Galaxy SII detects contact with this unlock image as a user touches and slides the image to the left to unlock the phone.

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	 (Screenshots showing the Galaxy SII detecting contact with the messaging unlock image (middle) and sliding the image to the left as the user slides her finger across the screen) As a third example, when the user misses an incoming call, the AT&T Samsung Galaxy SII displays an unlock image on the locked home screen. The unlock image, which is a red icon containing the representation of a phone, appears at a predefined location at the left side of the Samsung Galaxy SII's touchscreen, as shown in the screenshot below.

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	(**Screenshot of the locked home screen for the Samsung Galaxy SII, displaying the missed call unlock image at a predefined location at the left side of the touchscreen**) The Samsung Galaxy SII detects contact with this unlock image as a user touches and then slides the image to the right to unlock the phone and view missed call information.

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	(Screenshots of the AT&T Samsung Galaxy SII detecting a contact with the unlock image on the locked home screen (middle) as the user slides the unlock image to the right) As is shown in the middle screenshot above, when the AT&T Samsung Galaxy SII detects a contact with the red unlock image, an arrow appears in a predefined location at the right side of the screen.

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The AT&T Samsung Galaxy SII's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. Specifically, as the user touches and slides the unlock image on the incoming call screen, the AT&T Samsung Galaxy SII includes instructions to continuously move the unlock image from left to right on the touchscreen display provided the user maintains contact with the screen. (*See* AT&T Samsung Galaxy SII User Manual, at 41). (**Representation from AT&T Samsung Galaxy SII User Manual showing user touching and sliding the unlock icon from left to right to unlock the phone**) (*Id.*)

11

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	Further, at the incoming call screen, the AT&T Samsung Galaxy SII's unlock image is a graphical object, namely a green icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone. (*See* AT&T Samsung Galaxy SII User Manual, at 41). 1. At the incoming call screen: • Touch and slide [📞] to the right to answer the call. (*Id.*). As a second example, as the user touches and slides the messaging unlock image on the locked home screen, the AT&T Samsung Galaxy SII includes instructions to continuously move the messaging unlock image from right to left on the touchscreen display provided the user maintains contact with the screen. **(Screenshots of the AT&T Galaxy SII showing continuous movement of the unlock image from right to left as the user slides her finger across the screen towards the unlock region)**

12
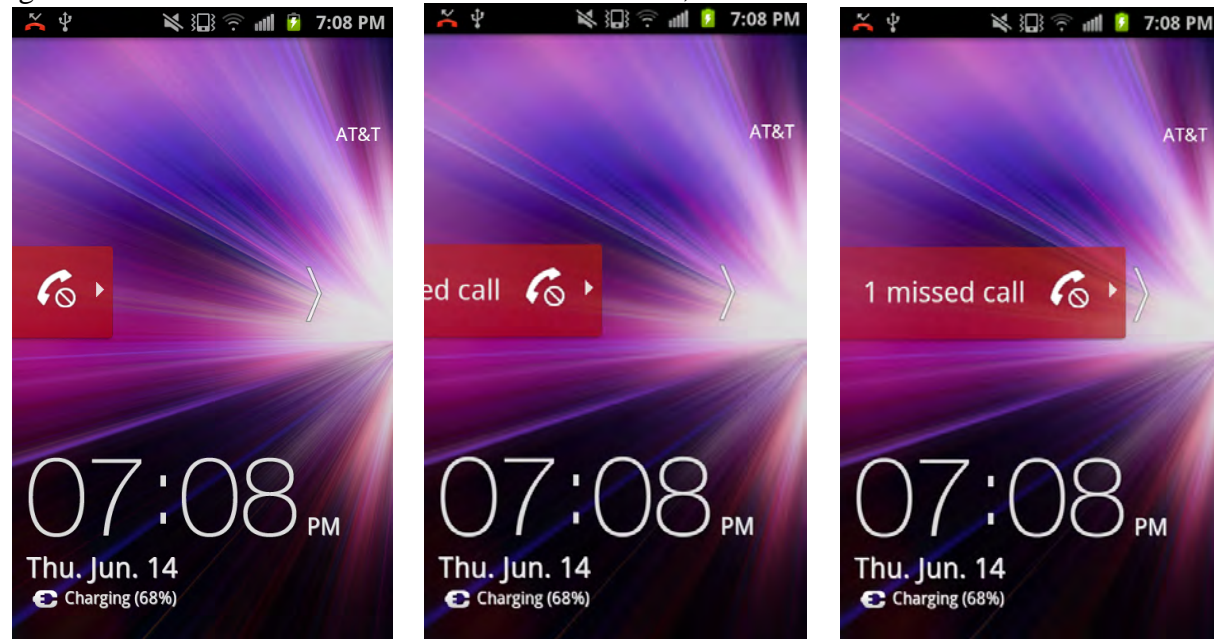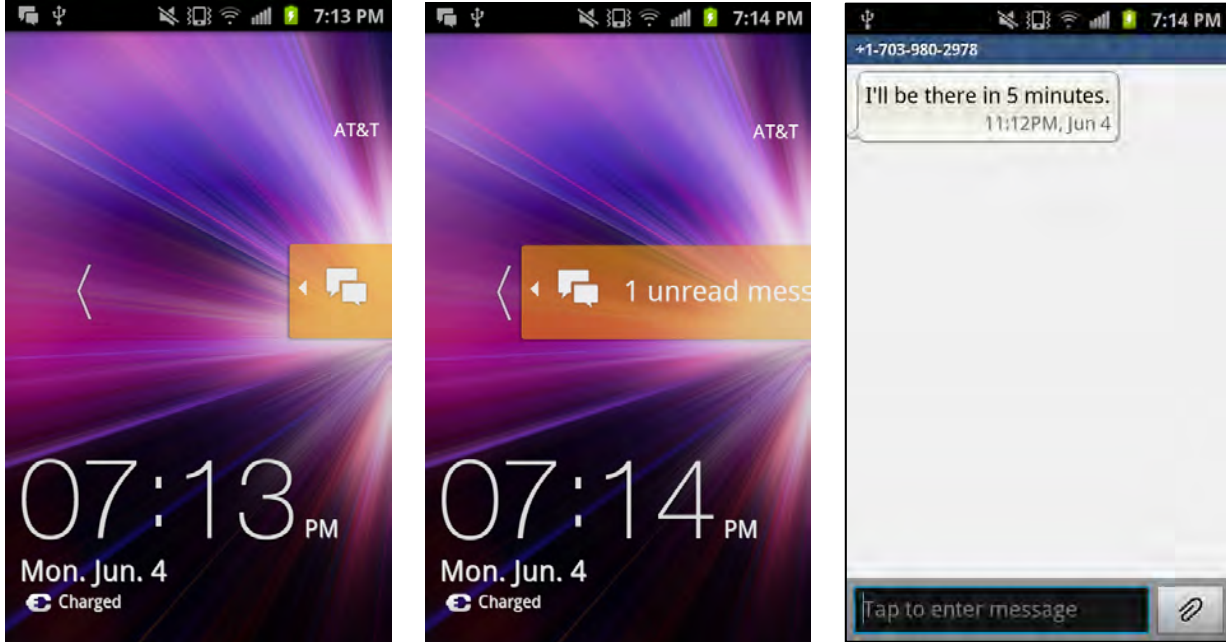
Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	As a third example, as the user touches and slides the missed call unlock image on the locked home screen, the AT&T Samsung Galaxy SII continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below. **(Screenshots showing the AT&T Samsung Galaxy SII continuously moving the unlock image as a user slides it to the right to unlock the phone**)

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	Further, the AT&T Samsung Galaxy SII's missed call unlock image is a graphical, interactive user-interface object, namely a red icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone, as shown below. **(Screenshot showing the missed call unlock image on the locked AT&T Samsung Galaxy SII home screen**)

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The AT&T Samsung Galaxy SII's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display. Specifically, the AT&T Samsung Galaxy SII includes instructions to unlock the phone to permit the user to answer an incoming phone call. When the user slides the green unlock image from its original location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display, the phone unlocks to facilitate the call. (*See* AT&T Samsung Galaxy SII User Manual, at 41). (**Representation of a user sliding the green unlock image from a first pre-defined location at the left side of the AT&T Samsung Galaxy SII touchscreen to the unlock region in order to unlock the phone to answer an incoming call**) (AT&T Samsung Galaxy SII User Manual, at 41)

15

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	After the user answers and then terminates the call, all the applications on the phone are unlocked for the user to use. Thus, the phone is in a user-interface unlock state.

As a second example, the AT&T Samsung Galaxy SII includes instructions to unlock the phone when the user slides the messaging unlock image across the touchscreen. Specifically, when the user slides the orange messaging unlock image from its original location at the right side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display, the phone unlocks to allow the user to read the new text message.

(Screenshots showing the movement of the messaging unlock icon from the first predefined region to the second predefined unlock region, resulting in unlocking the phone) |

16

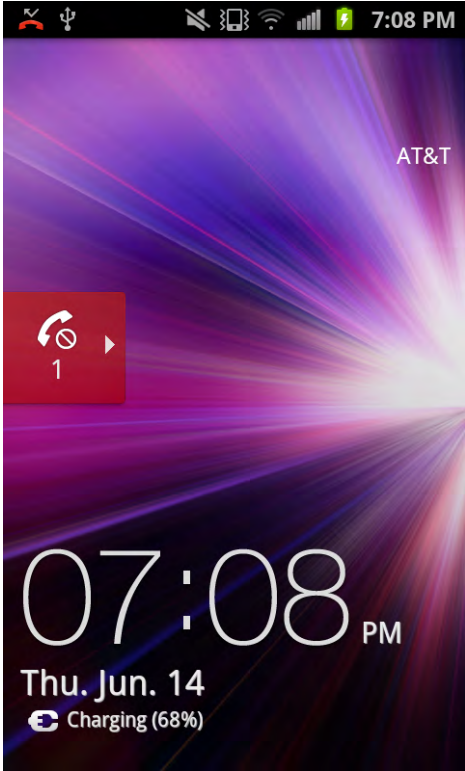| Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	After the user unlocks the phone by sliding the orange messaging unlock image to the predefined unlock region, all applications on the phone are available to the user. Thus, the phone is in a user-interface unlock state. **(Screenshot of the unlocked AT&T Galaxy SII after the user has exited the Messaging application)**

17

Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	As a third example, the AT&T Samsung Galaxy SII unlocks to permit the user to view missed call information when the user slides the red missed call unlock image from its original, predefined location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display. The predefined unlock region is denoted by a large white arrow, as shown below. (**Screenshots of the AT&T Samsung Galaxy SII showing the unlock image sliding to the right as a user unlocks the phone to view missed call information**)
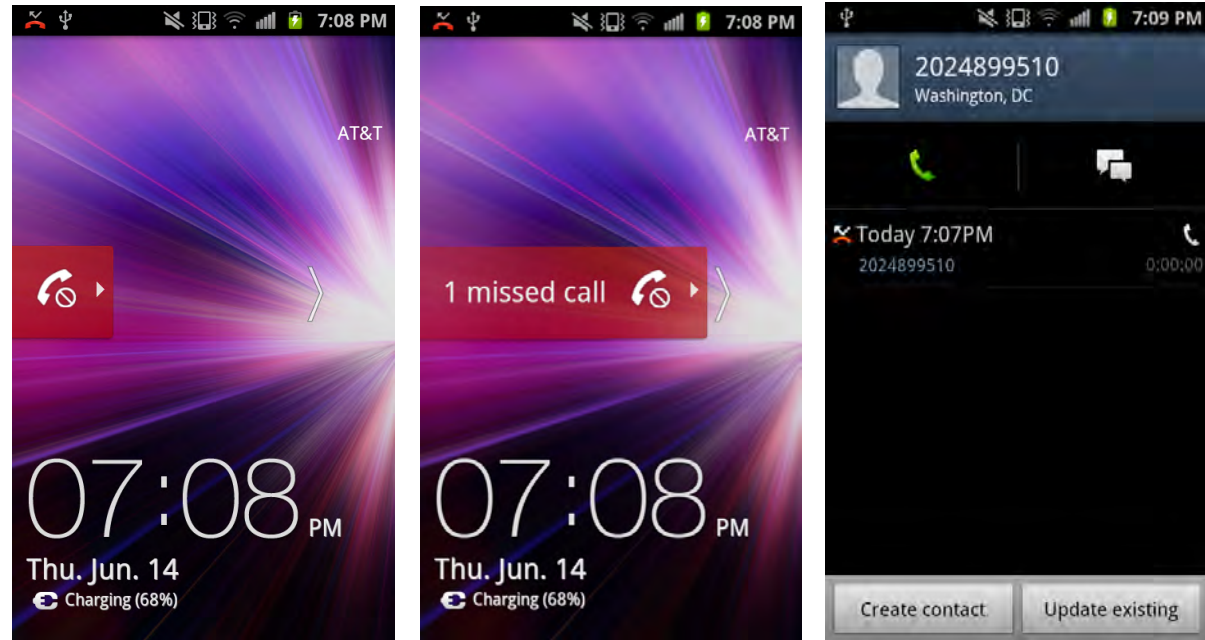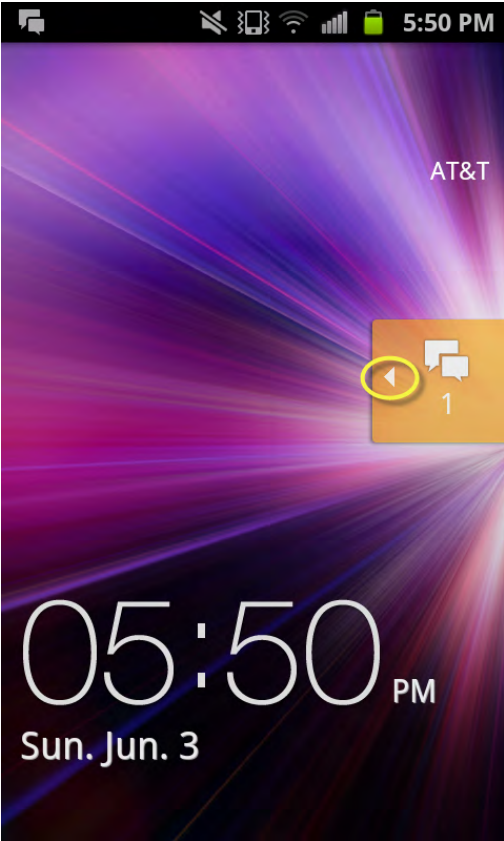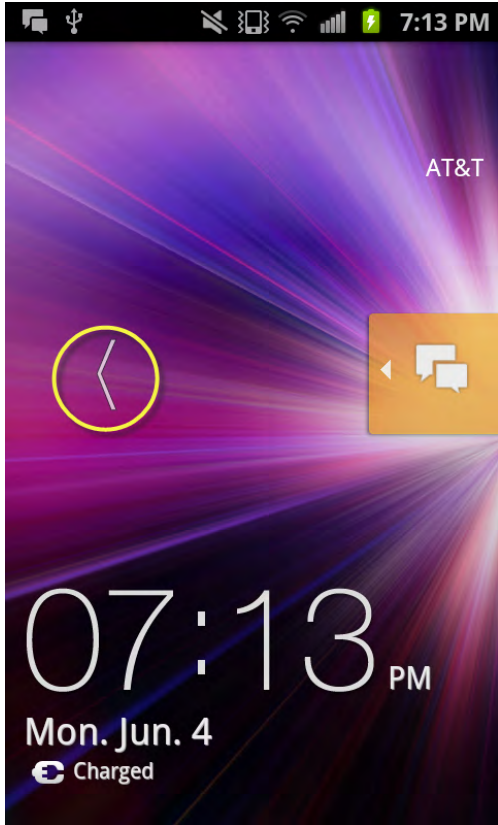
Claim 7[2]	Infringement by the AT&T Samsung Galaxy SII
	After the user unlocks the phone using the missed call unlock image, all applications on the phone are available to the user. Thus, the phone is a in a user-interface unlock state. (**Screenshot of the Samsung Galaxy SII after the user exits the missed call log**)

Claim 8	Infringement by the AT&T Samsung Galaxy SII
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The AT&T Samsung Galaxy SII's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. In particular, the AT&T Samsung Galaxy SII includes instructions to display an arrow on the phone's green unlock image on the incoming call screen. (*See* AT&T Samsung Galaxy SII User Manual, at 41). The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and answer an incoming call. (*Id.*). The presence of the arrow on the unlock image is shown below. 1. At the incoming call screen: • Touch and slide to the right to answer the call. (**Image from the AT&T Samsung Galaxy SII User Manual with the arrow circled in yellow**) (*See id.*)

20

Claim 8	Infringement by the AT&T Samsung Galaxy SII
	As a second example, the AT&T Samsung Galaxy SII includes instructions to display an arrow on the phone's orange messaging unlock image on the locked home screen. The arrow is a visual cue that directs the user to slide the image to the left to unlock the phone and read the new text message. The presence of the arrow on the messaging unlock image is shown below. **(Image from the AT&T Samsung Galaxy SII with the arrow on the messaging unlock image circled in yellow)**

Claim 8	Infringement by the AT&T Samsung Galaxy SII
	Moreover, after the AT&T Samsung Galaxy SII detects contact with the messaging unlock image, it displays a white arrow on the left side of the screen, further guiding the user's movement. **(Screenshot of the AT&T Galaxy SII after a user contact with the unlock screen is detected, displaying a second arrow to guide the user's movement (arrow circled in yellow))**

22

Claim 8	Infringement by the AT&T Samsung Galaxy SII
	As a third example, the AT&T Samsung Galaxy SII displays an arrow on the phone's red missed call unlock image on the locked home screen, as shown below. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and view the missed call log. The presence of the arrow on the unlock image is shown below. **(Screenshot of the AT&T Galaxy SII showing the presence of the arrow on the missed call unlock image)**

Claim 8	Infringement by the AT&T Samsung Galaxy SII
	Moreover, when the AT&T Samsung Galaxy SII detects user contact with the red unlock image, it displays a second arrow in the predefined unlock region on the right side of the display, providing the user with an additional visual cue regarding the direction of movement. (**Screenshot of the AT&T Samsung Galaxy SII as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement**)

EXHIBIT F8

GALAXY SII EPIC 4G TOUCH

INFRINGEMENT CLAIM CHART FOR U.S. PATENT NO. 8,046,721

<u>**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG GALAXY SII EPIC 4G TOUCH (SPH-D710)**</u>

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
7. A portable electronic device, comprising:[2]	To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Galaxy SII Epic 4G Touch is a portable electronic device. Specifically, the Samsung Galaxy SII Epic 4G Touch, which is available from Sprint, is an Android smartphone with a 4.52'' Super AMOLED Plus touch screen display. (*See* Samsung, Galaxy SII Epic 4G Touch Specifications, http://www.samsung.com/us/mobile/cell-phones/SPH-D710ZKASPR-specs). It weighs 4.6 oz. and measures 5.11'' (L) x 2.74'' (W) x 0.38'' (D). (*Id.*). It has a 1.2 GHz dual-core Samsung Exnyos C210 processor. (*Id.*). Further, the Samsung Galaxy SII Epic 4G Touch is "equipped with a Lithium ion (Li-ion) battery." (Epic 4G Touch User Guide, at 63). (Samsung, Galaxy SII Epic 4G Touch Gallery, http://www.samsung.com/us/mobile/cell-phones/SPH-D710ZKASPR-gallery).

---

[1] Pursuant to Apple Inc's List of Accused Products and Asserted Patent Claims Pursuant To Court Order of March 8, 2013, *see* D.I. 394 & 467, Apple is only asserting claim 8 of U.S. Patent No. 8,046,721. Because claim 8 is a dependent claim of claim 7, the infringement chart for claim 7 is included for reference.

[2] Apple's inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.

1

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
a touch-sensitive display;	Additionally, according to the Samsung Galaxy SII Epic 4G Touch's User Guide, it has a touch screen that "displays all information needed to operate your device, such as the call status, the Contacts list, and the date and time [and] [a]lso provides one-touch access to all your features and applications." (Epic 4G Touch User Guide, at 17). A user interacts with Epic 4G Touch's applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to activate them, or swiping/sliding, meaning "quickly drag[ging] your finger vertically or horizontally across the screen." (*Id.* at 19-22). **Touchscreen Navigation** Your device's touchscreen lets you control actions through a variety of touch gestures. **Tap** When you want to type using the onscreen keyboard, select items onscreen such as application and settings icons, or press onscreen buttons, simply tap them with your finger. (Epic 4G Touch User Guide, at 19-20). The '721 specification makes clear that a touch-sensitive display is the same as a touchscreen display. (*See* '721 patent 1:25-26 ("Touch-sensitive displays (also known as 'touch screens' or 'touchscreens') are well known in the art.")).

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
memory;	The Samsung Galaxy SII Epic 4G Touch comprises memory. Specifically, the Samsung Galaxy SII Epic 4G Touch has 16GB of internal memory and supports an external microSD card. (Samsung, Epic 4G Touch Android Smartphone Specifications, http://www.samsung .com/us/mobile/cell-phones/SPH-D710ZKASPR-specs). **Memory** | Internal Memory	16GB
External Memory/microSD™ Capacity	32GB | (*Id.*).
one or more processors;	The Samsung Galaxy SII Epic 4G Touch comprises one or more processers. Specifically, the Samsung Galaxy SII Epic 4G Touch has a 1.2 GHz dual-core processor. (*Id.*). **CPU / Processor** | Processor Speed, Type	1.2 GHz, Dual Core (Samsung Exnyos C210) | (Samsung, Samsung Galaxy SII Epic 4G Touch Android Smartphone Specifications, http://www.samsung.com/us/mobile/cell-phones/SPH-D710ZKASPR-specs).

3

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:	The Samsung Galaxy SII Epic 4G Touch comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. The Samsung Galaxy SII Epic 4G Touch contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Galaxy SII Epic 4G Touch's processor. This module allows the Samsung Galaxy SII Epic 4G Touch to detect contact with the touchscreen. The Samsung Galaxy SII Epic 4G Touch User Guide discloses some of those contacts that the contact/motion module detects, as shown below. **Touchscreen Navigation** Your device's touchscreen lets you control actions through a variety of touch gestures. **Tap** When you want to type using the onscreen keyboard, select items onscreen such as application and settings icons, or press onscreen buttons, simply tap them with your finger. **Touch and Hold** To open the available options for an item (for example, a contact or link in a Web page), touch and hold the item. **Drag** To drag, press and hold your finger with some pressure before you start to move your finger. While dragging, do not release your finger until you have reached the target position.
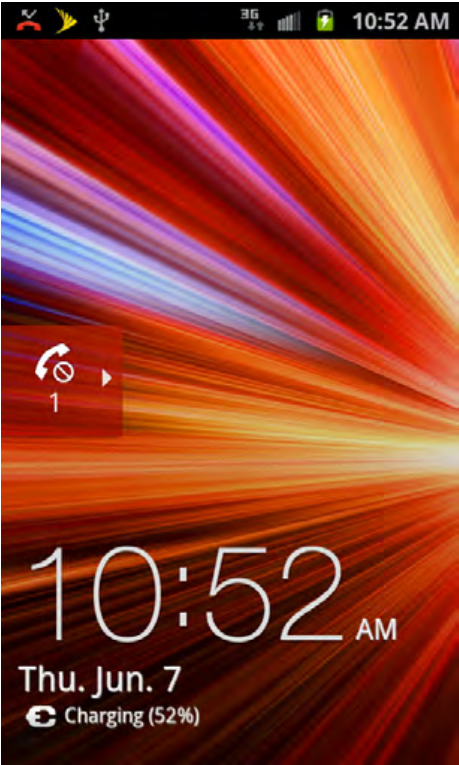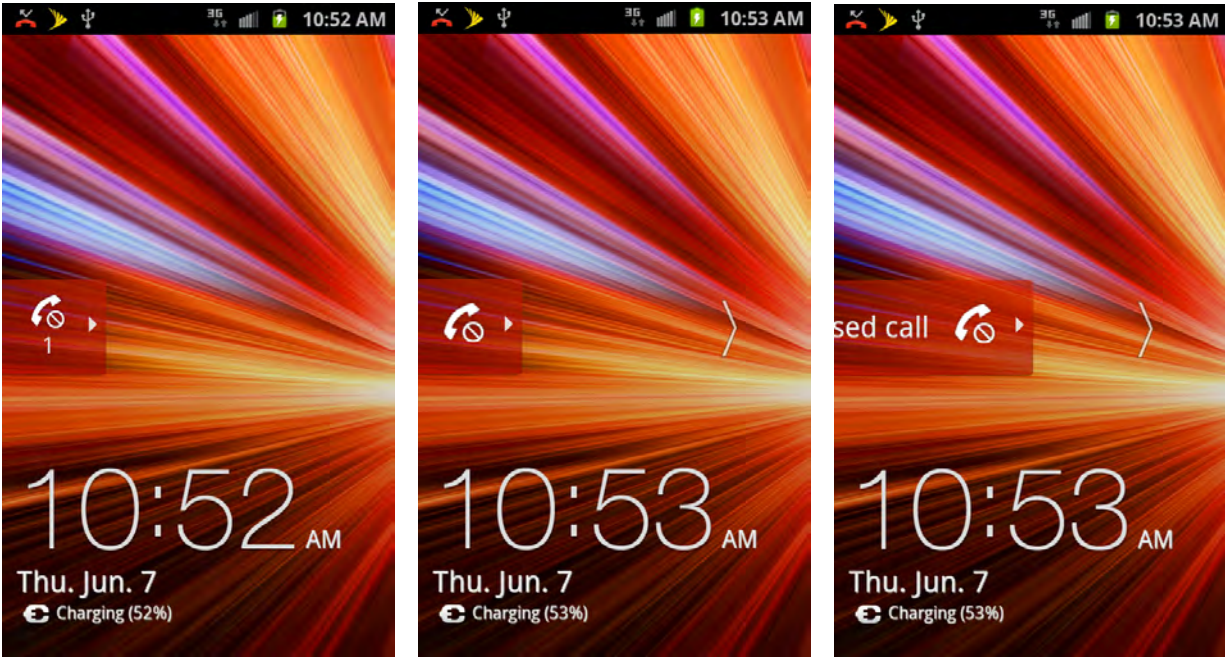
Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	Swipe or Slide To swipe or slide means to quickly drag your finger vertically or horizontally across the screen. (Epic 4G Touch User Guide, at 19-21).
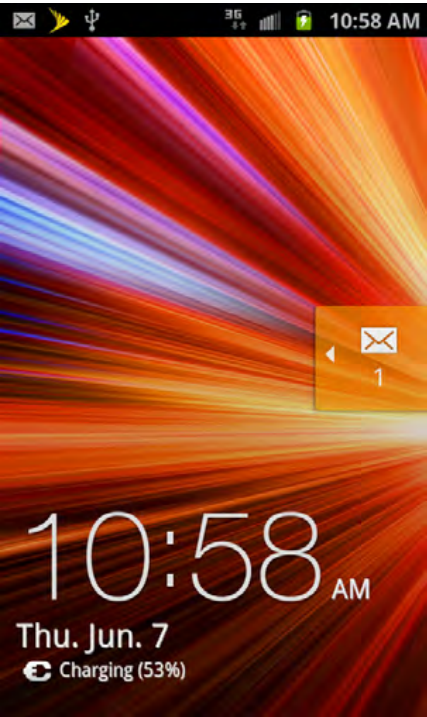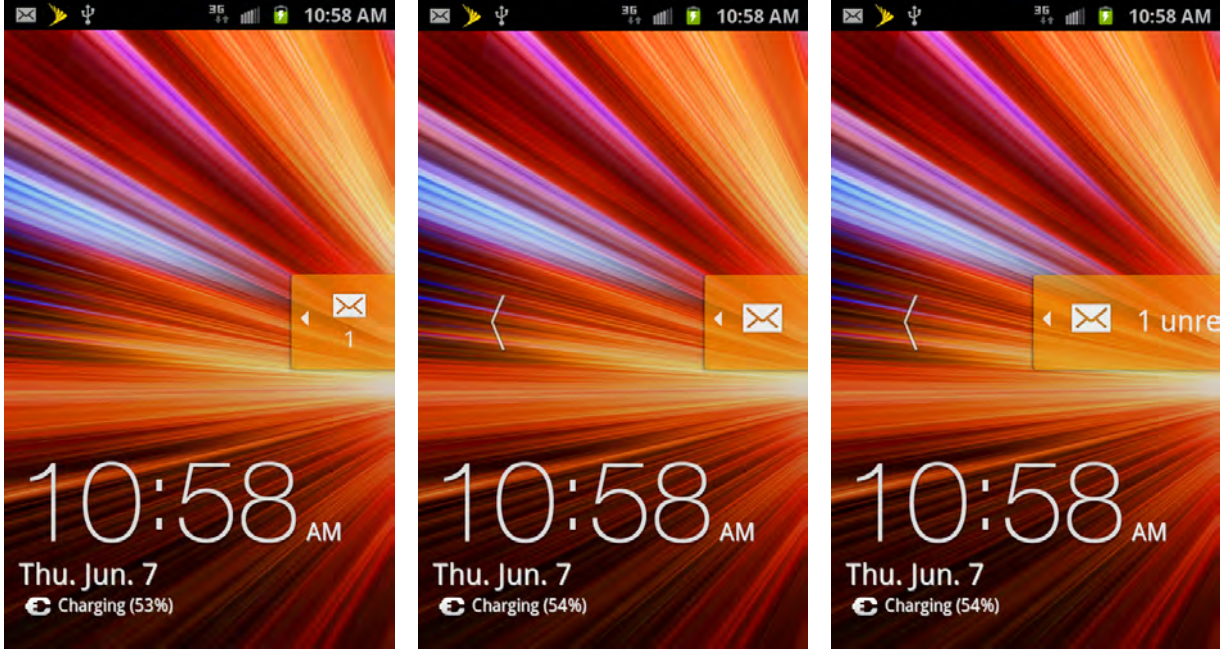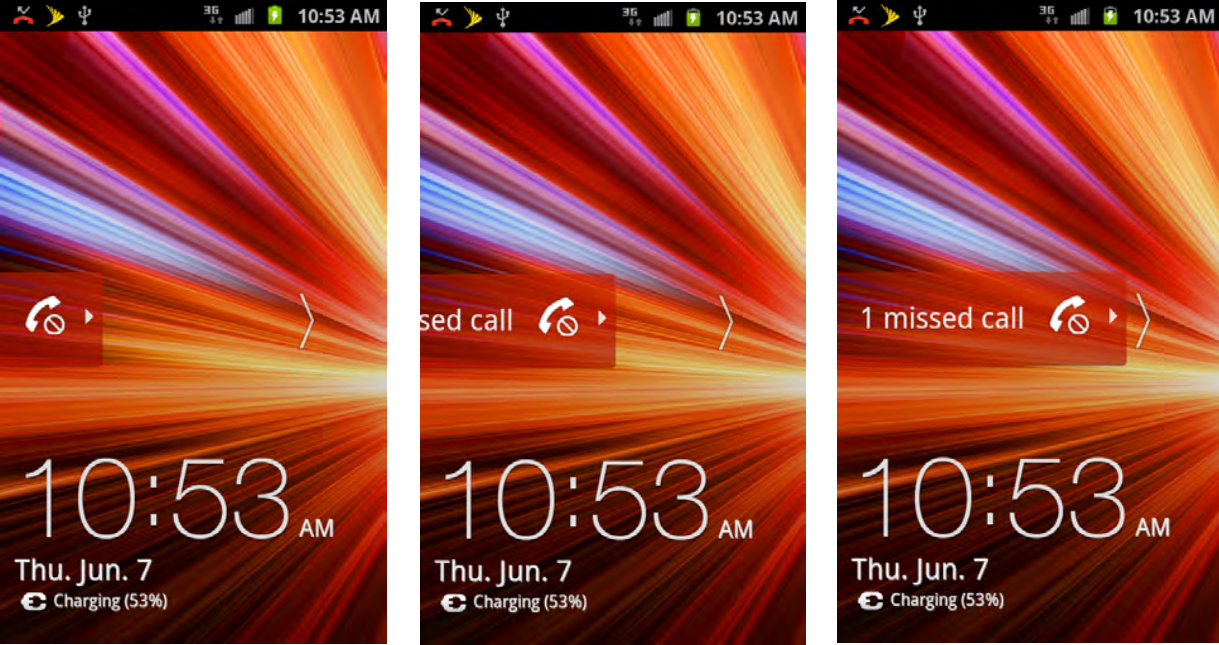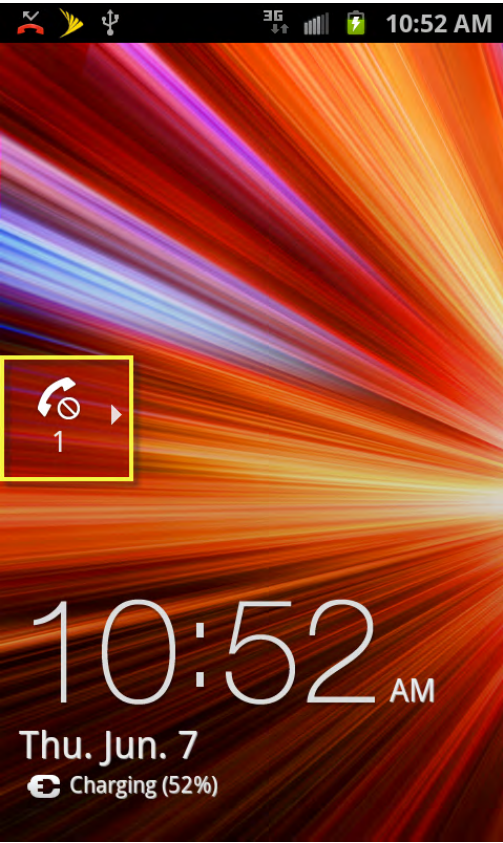
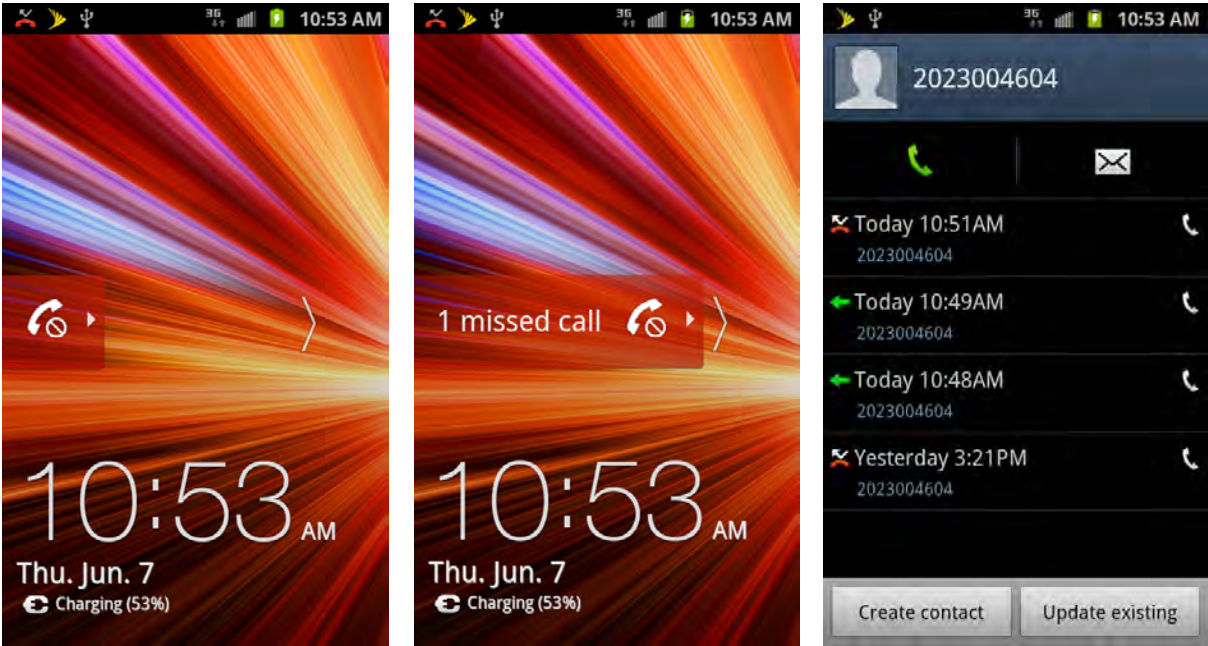| Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;	The Samsung Galaxy SII Epic 4G Touch's one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. Specifically, when the user misses an incoming call, the Samsung Galaxy SII Epic 4G Touch displays an unlock image on the locked home screen. The unlock image, which is a red icon containing the representation of a phone, appears at a predefined location at the left side of the Samsung Galaxy SII Epic 4G Touch's touchscreen, as shown in the screenshot below. **(Screenshot of the locked home screen for the Samsung Epic 4G Touch, displaying the missed call unlock image at a predefined location at the left side of the touchscreen)**
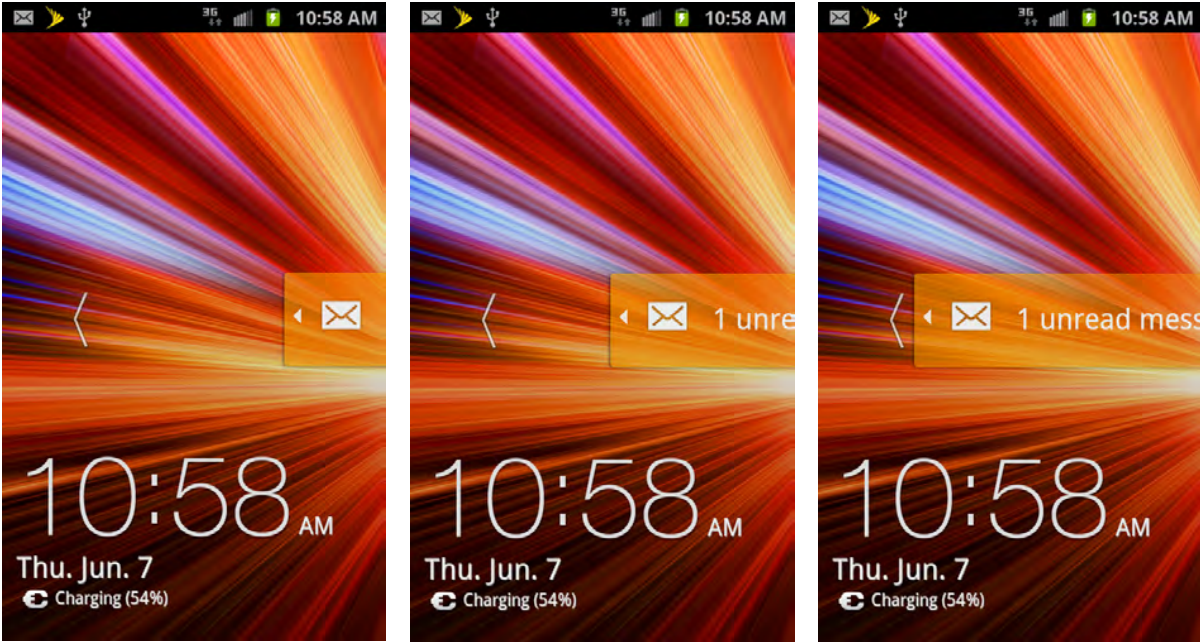
Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	The Samsung Galaxy SII Epic 4G Touch detects contact with this unlock image as a user touches and then slides the image to the right to unlock the phone and view missed call information. **(Screenshots of the Samsung Epic 4G Touch detecting a contact with the unlock image on the locked home screen (middle) as the user slides the unlock image to the right)** As is shown in the middle screenshot above, when the Samsung Galaxy SII Epic 4G Touch detects a contact with the red unlock image, an arrow appears in a predefined location at the right side of the screen.
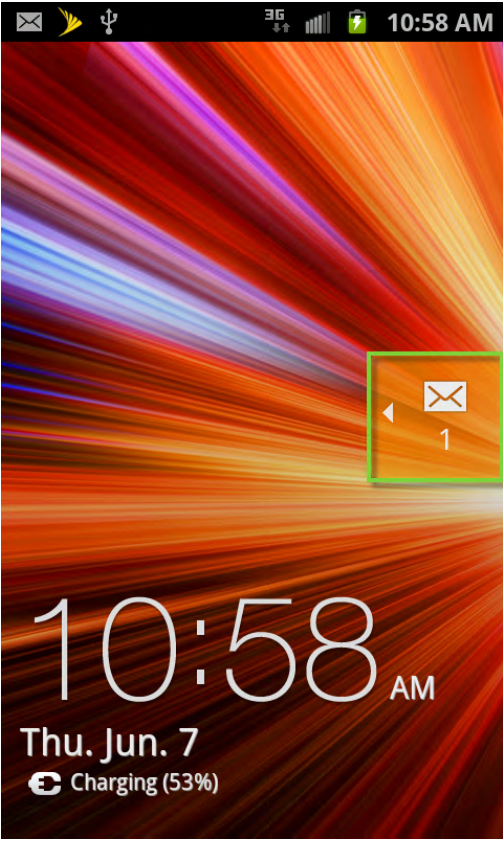
Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	As a second example, when a locked Samsung Galaxy SII Epic 4G Touch receives a text message through its Messaging application, it displays an unlock image on the home screen, as shown in the screenshot below. **(Screenshot of the locked home screen for the Samsung Epic 4G Touch, displaying the message unlock image at a predefined location at the right side of the touchscreen)**

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	The unlock image, which is an orange icon containing a representation of a text message, appears at predefined location at the right side of the Samsung Galaxy SII Epic 4G Touch's locked touchscreen, as shown above. The Samsung Galaxy SII Epic 4G Touch detects contact with this unlock image as a user touches and slides the image to the left to unlock the phone and view the text message. (**Screenshots of the Samsung Epic 4G Touch detecting contact with the messaging unlock image (middle) as a user touches the image and slides it to the left**) As is shown in the middle screenshot above, when the Samsung Epic 4G Touch detects contact with the unlock image, it displays a white arrow on the left side of the locked home screen.

9

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The Samsung Galaxy SII Epic 4G Touch's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. Specifically, as the user touches and slides the missed call unlock image on the locked home screen, the Samsung Galaxy SII Epic 4G Touch continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below. **(Screenshots showing the Samsung Epic 4G Touch continuously moving the unlock image as a user slides it to the right to unlock the phone)**

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	Further, the Samsung Galaxy SII Epic 4G Touch's missed call unlock image is a graphical, interactive user-interface object, namely a red icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone, as shown below. **(Screenshot showing the missed call unlock image (highlighted in yellow) on the locked Samsung Epic 4G Touch home screen)**

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	As a second example, as the user touches and slides the messaging unlock image on the locked home screen, the Samsung Galaxy SII Epic 4G Touch continuously moves the unlock image from right to left on the touchscreen display while the user maintains contact with the screen, as shown below. (**Screenshots of the Samsung Epic 4G Touch continously moving the messaging unlock image across the screen as the user slides her finger to the left to unlock the phone**)

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	Further, at the locked home screen, the Samsung Galaxy SII Epic 4G Touch's messaging unlock image is a graphical, interactive user-interface object, namely an orange icon containing the representation of a text message, that the user touches and then slides across the touchscreen to unlock the phone and view the new text message. **(Screenshot of the Samsung Galaxy SII Epic 4G Touch's locked home screen with the messaging unlock image highlighted in green)**

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The Samsung Galaxy SII Epic 4G Touch's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display. Specifically, the Samsung Galaxy SII Epic 4G Touch includes instructions to unlock the phone to permit the user to view missed call information when the user slides the red missed call unlock image from its original, predefined location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display. The predefined unlock region is denoted by a large white arrow, as shown below. (**Screenshots of the Epic 4G Touch showing the unlock image sliding to the right as a unlocks the phone to view missed call information**)

14

Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	After the user unlocks the phone using the missed call unlock image, all applications on the phone are available to the user. Thus, the phone is in a user-interface unlock state. **(Screenshot of the Samsung Epic 4G Touch after the user exits the missed call log)**

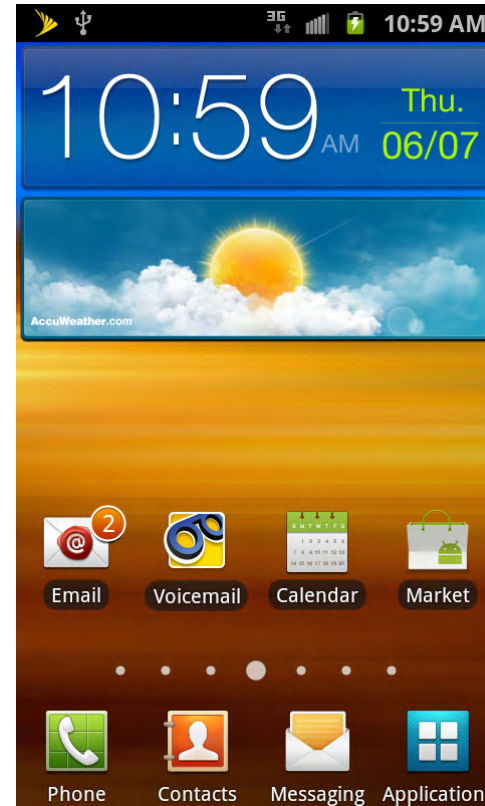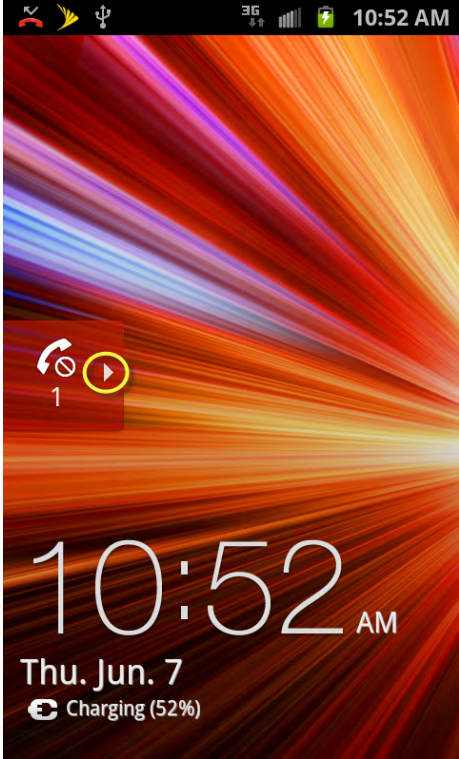| Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	As a second example, the Samsung Galaxy SII Epic 4G Touch includes instructions to unlock and open the Messaging application when the user slides the orange messaging unlock image from its original, predefined location at the right side of the touch-sensitive display to a predefined unlock region on the left side of the touch-sensitive display. The predefined unlock region is denoted by a large white arrow, as shown below. **(Screenshots of the Samsung Epic 4G Touch showing the messaging unlock image sliding to the left and the phone unlocking as the image reaches the predefined unlock region)**
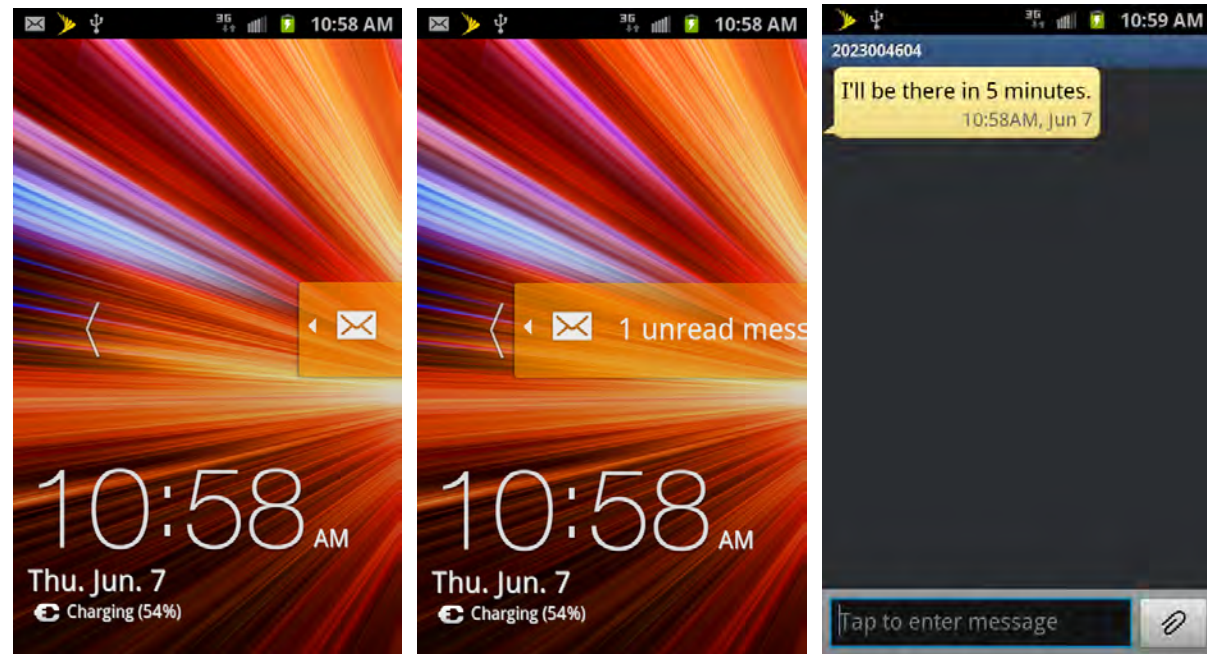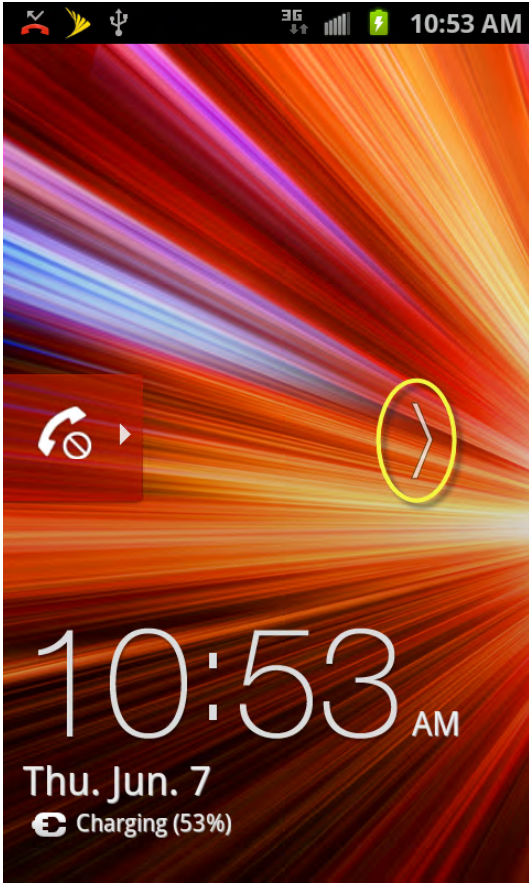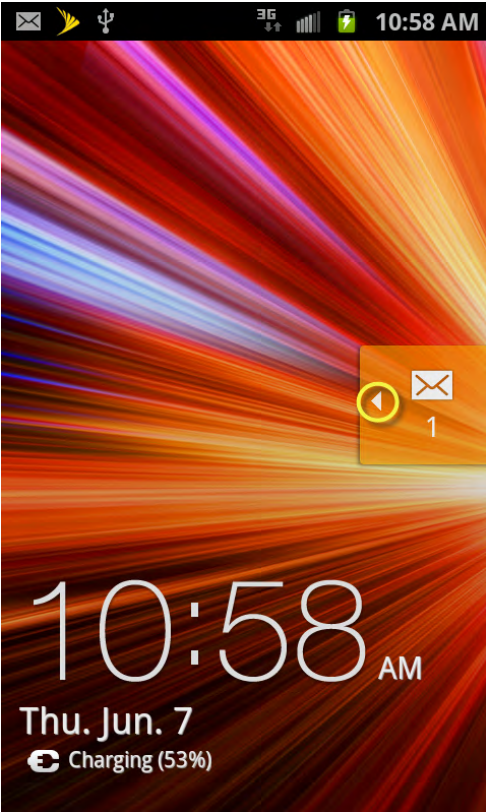
Claim 7[1]	Infringement by the Samsung Galaxy SII Epic 4G Touch
	After the user unlocks the phone by sliding the orange messaging unlock image to the predefined unlock region, all applications on the phone are available to the user. Thus, the phone is in a user-interface unlock state. **(Screenshot of the unlocked Samsung Epic 4G Touch after the user exits the Messaging application)**

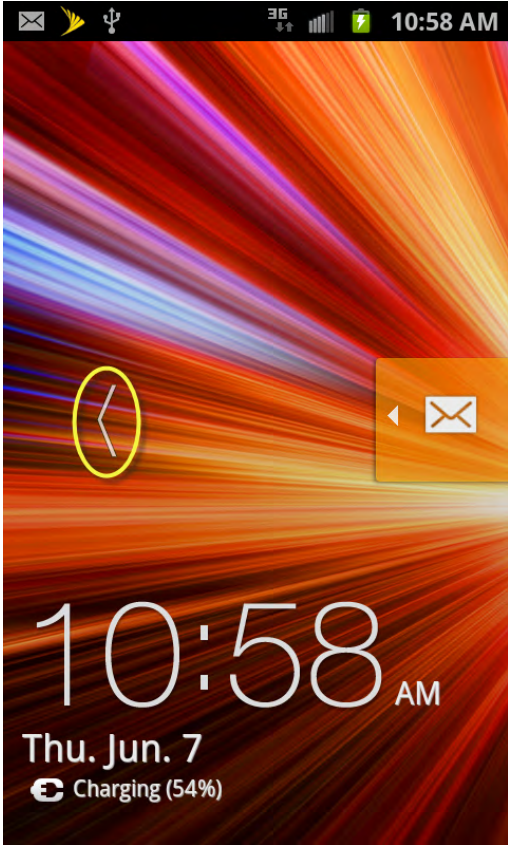| Claim 8	Infringement by the Samsung Galaxy SII Epic 4G Touch
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The Samsung Galaxy SII Epic 4G Touch's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. In particular, the Samsung Galaxy SII Epic 4G Touch includes instructions to display an arrow on the phone's red missed call unlock image. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and view missed call information. The presence of the arrow on the unlock image is shown below. (**Screenshot of the Samsung Epic 4G Touch missed call unlock image with the arrow circled in yellow**)

Claim 8	Infringement by the Samsung Galaxy SII Epic 4G Touch
	Moreover, when the Samsung Galaxy SII Epic 4G Touch detects user contact with the red unlock image, it displays a second arrow in the predefined unlock region on the right side of the display, providing the user with an additional visual cue regarding the direction of movement. **(Screenshot of the Epic 4G Touch as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement (arrow in yellow))**

Claim 8	Infringement by the Samsung Galaxy SII Epic 4G Touch
	As a second example, the Samsung Galaxy SII Epic 4G Touch includes instructions to display an arrow on the phone's orange messaging unlock image on the locked home screen. The arrow is a visual cue that directs the user to slide the image to the left to unlock the phone and read the new text message. The presence of the arrow on the messaging unlock image is shown below. **(Image from the Samsung Epic 4G Touch with the arrow on the messaging unlock image circled in yellow)**

Claim 8	Infringement by the Samsung Galaxy SII Epic 4G Touch
	Moreover, when the Samsung Galaxy SII Epic 4G Touch detects user contact with the orange messaging unlock image, it displays a second arrow in the predefined unlock region on the left side of the display, providing the user with an additional visual cue regarding the direction of movement. **(Screenshot of the Samsung Epic 4G Touch as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement (arrow in yellow))**

EXHIBIT F9

GALAXY SII SKYROCKET

INFRINGEMENT CLAIM CHART FOR U.S. PATENT NO. 8,046,721

INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG GALAXY SII SKYROCKET (SGH-I727)

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
7. A portable electronic device, comprising:[2]	To the extent that the preamble of claim 7 may be construed to be limiting, the Galaxy SII Skyrocket is a portable electronic device. Specifically, the Galaxy SII Skyrocket is a smartphone with a 4.5'' Super AMOLED Plus screen. (*See* Samsung, Galaxy SII Skyrocket Android Smartphone, Features, http://www.samsung.com/ us/mobile/cell-phones/SGH-I727MSAATT-features). It weighs 4.66 oz. and measures 5.15'' (L) x 2.75'' (W) x 0.37'' (D). (*Id.*). Further, the Galaxy SII Skyrocket is "powered by a rechargeable Li-ion battery." (Galaxy SII Skyrocket User Guide, at 7). (Samsung, Galaxy SII Skyrocket Android Smartphone, Gallery, http://www.samsung.com/ us/mobile/cell-phones/SGH-I727MSAATT-gallery).

---

[1] Pursuant to Apple Inc's List of Accused Products and Asserted Patent Claims Pursuant To Court Order of March 8, 2013, *see* D.I. 394 & 467, Apple is only asserting claim 8 of U.S. Patent No. 8,046,721. Because claim 8 is a dependent claim of claim 7, the infringement chart for claim 7 is included for reference.

[2] Apple's inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.
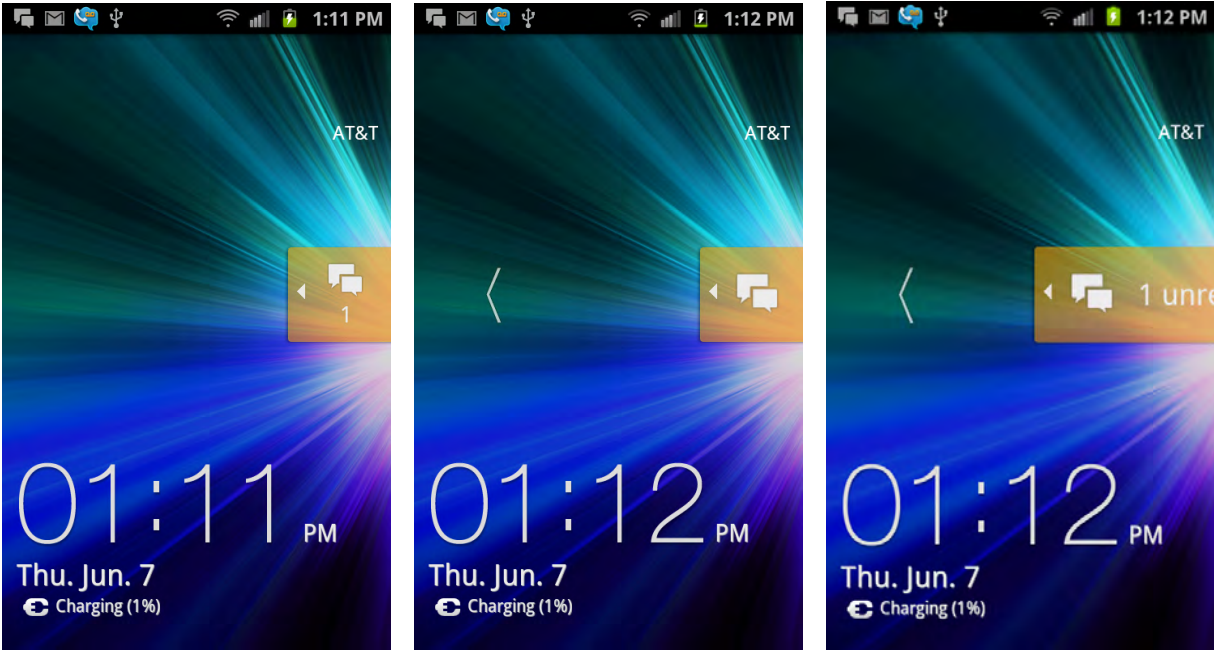
Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
a touch-sensitive display;	The Galaxy SII Skyrocket comprises a touch-sensitive display. In particular, according to the Galaxy SII Skyrocket's User Guide, it has a touch screen that "provides quick responses to a variety of in-phone menus and options including applications and seven home screens." (Galaxy SII Skyrocket User Manual, at 15). A user interacts with the Galaxy SII Skyrocket's applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to activate them, or "sweeping," meaning "lightly drag[ging] your finger vertically or horizontally across the screen." (*See* Galaxy SII Skyrocket User Guide, at 28). (Galaxy SII Skyrocket User Guide, at 30). The '721 specification makes clear that a touch-sensitive display is the same as a touchscreen display. (*See* '721 patent 1:25-26 ("Touch-sensitive displays (also known as 'touch screens' or 'touchscreens') are well known in the art.").
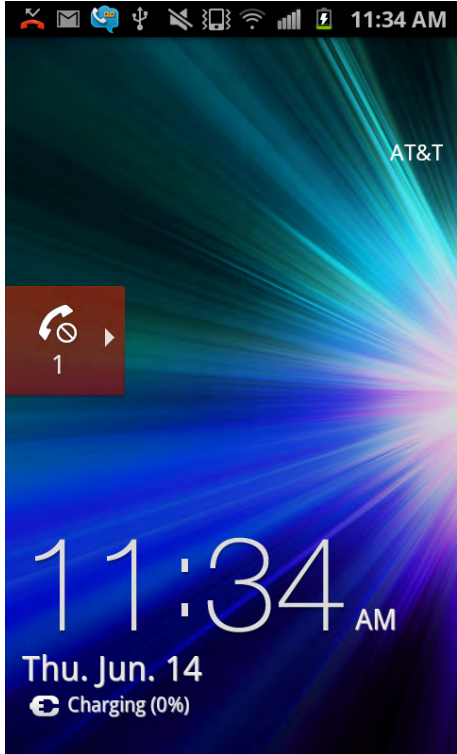
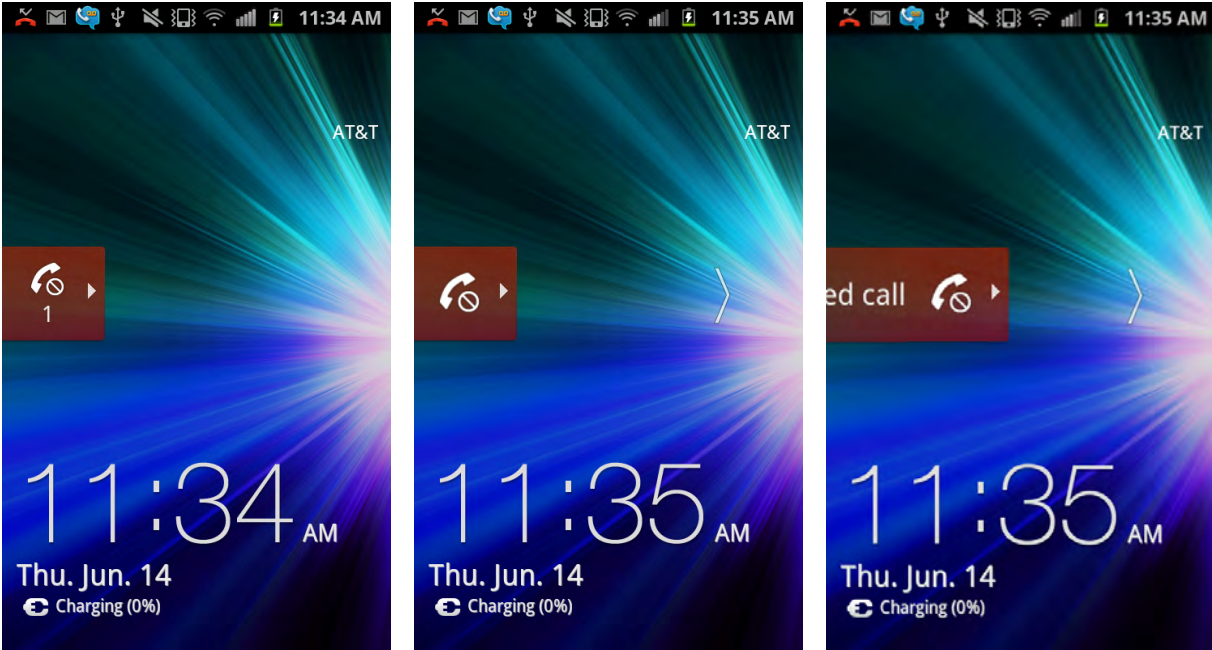| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
memory;	The Galaxy SII Skyrocket comprises memory. Specifically, the Galaxy SII Skyrocket has 16GB of internal memory and supports up to a 32GB microSD card. (Samsung, Galaxy SII Skyrocket Android Smartphone, Features, http://www.samsung.com/us/mobile/cell-phones/SGH-I727MSAATT-features (last visited Apr. 20, 2012)). Memory Internal Memory — 16GB External Memory/microSD™ Capacity — microSD™ card (Samsung, Galaxy SII Skyrocket Android Smartphone, Specs, http://www.samsung.com/us/mobile/cell-phones/SGH-I727MSAATT-specs).
one or more processors;	The Galaxy SII Skyrocket comprises one or more processers. Specifically, the Galaxy SII Skyrocket has a 1.5 GHz dual-core processor. (Samsung, Galaxy SII Skyrocket Android Smartphone, Specs, http://www.samsung.com/ us/mobile/cell-phones/SGH-I727MSAATT-specs). **A processor that makes lightning look slow.** Your Galaxy S II Skyrocket has an astonishingly powerful 1.5 GHz dual core processor to keep all your videos, games and info fast and smooth. Your laptop may feel jealous. (Samsung, Galaxy SII Skyrocket Android Smartphone, Features, http://www.samsung.com /us/mobile/cell-phones/SGH-I727MSAATT-features).
one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:	The Galaxy SII Skyrocket comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. The Galaxy SII Skyrocket contains, among other modules, a contact/motion module in its memory that is configured for execution by the Galaxy SII Skyrocket's processor. This module allows the Galaxy SII Skyrocket to detect contact with the touchscreen. The Galaxy SII

3

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	Skyrocket discloses some of those contacts that the contact/motion module detects, as shown below.

Tap

Lightly touch items to select or launch them. For example:
• Tap the on screen keyboard to enter characters or text.
• Tap a menu item to select it.
• Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:
• Touch and hold a widget on the home screen to move it.
• Touch and hold on a field to display a pop-up menu of options.

Sweep

To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:
• Unlocking the screen
• Scrolling through the Home screen or a menu

(Galaxy SII Skyrocket User Manual, at 28). |

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;	The Galaxy SII Skyrocket's one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. Specifically, when the Galaxy SII Skyrocket receives a call, it displays the caller's phone number and an unlock image on the incoming call screen. (*See* Galaxy SII Skyrocket, at 42). The unlock image, which is a green icon containing the representation of a phone, appears at a predefined location at the left side of the Galaxy SII Skyrocket's touchscreen, as shown below. (*Id.*). The Galaxy SII Skyrocket detects contact with this unlock image as a user touches and slides the image to answer the call. (*Id.*).

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	(Representation from Galaxy SII Skyrocket User Guide showing user touching unlock icon. *Id.*) As a second example, when a locked Galaxy SII Skyrocket receives a text message through it Messaging application, it displays an unlock image on the home screen, as shown below.

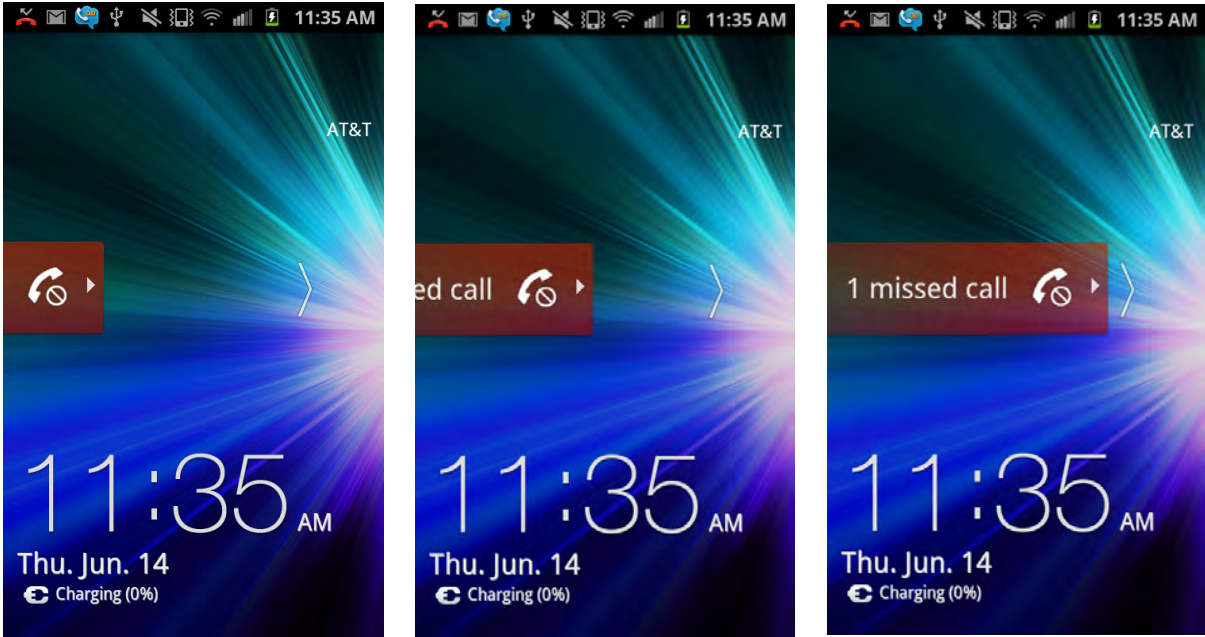| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	The unlock image, which is an orange icon containing a representation of the Messaging application, appears a predefined location at the right side of the Galaxy SII Skyrocket's locked touchscreen, as shown above. The Galaxy SII Skyrocket detects contact with this unlock image as a user touches and slides the image to the left to unlock the phone and view the text message. (**Screenshots of the Galaxy SII Skyrocket detecting contact with the messaging unlock image (middle) as a user touches the image and slides it to the left**) As is shown in the middle screenshot above, when the Galaxy SII Skyrocket detects contact with the unlock image, it displays a white arrow on the left side of the locked home screen.

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	As a third example, when the user misses an incoming call, the Samsung Galaxy SII Skyrocket displays an unlock image on the locked home screen. The unlock image, which is a red icon containing the representation of a phone, appears at a predefined location at the left side of the Samsung Galaxy SII Skyrocket's touchscreen, as shown in the screenshot below. **(Screenshot of the locked home screen for the Samsung Galaxy SII Skyrocket, displaying the missed call unlock image at a predefined location at the left side of the touchscreen**)

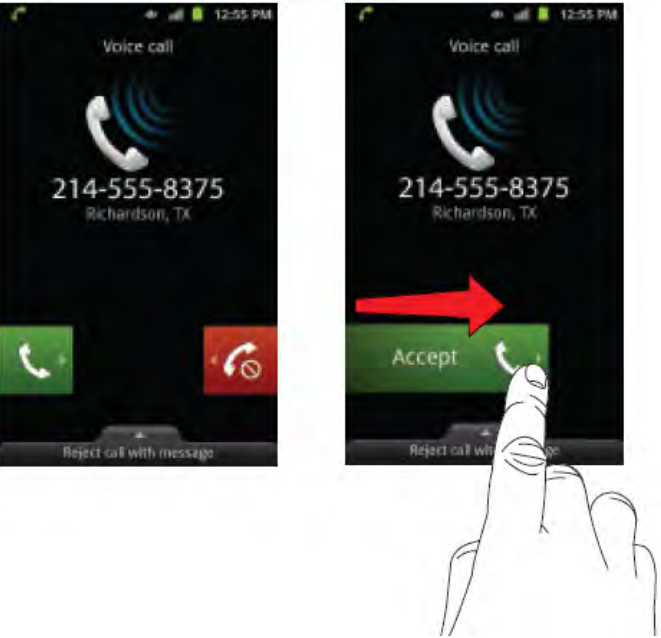| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	The Samsung Galaxy SII Skyrocket detects contact with this unlock image as a user touches and then slides the image to the right to unlock the phone and view missed call information. **(Screenshots of the Samsung Galaxy SII Skyrocket detecting a contact with the unlock image on the locked home screen (middle) as the user slides the unlock image to the right)** As is shown in the middle screenshot above, when the Samsung Galaxy SII Skyrocket detects a contact with the red unlock image, an arrow appears in a predefined location at the right side of the screen.

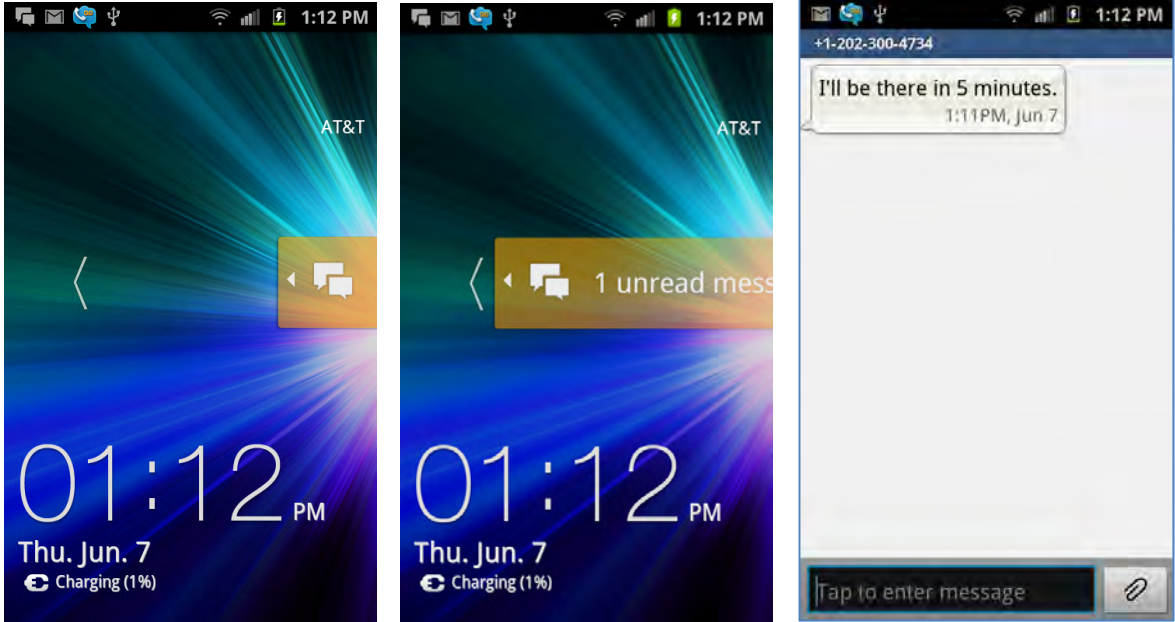| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and	The Galaxy SII Skyrocket's one or more modules include instructions to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device. Specifically, as the user touches and slides the unlock image on the incoming call screen, the Galaxy SII Skyrocket includes instructions to continuously move the unlock image from left to right on the touchscreen display provided the user maintains contact with the screen. (*See* Galaxy SII Skyrocket User Manual, at 42). (Representation from Galaxy SII Skyrocket User Guide showing user touching and sliding the unlock icon from left to right to unlock the phone. *Id.*)

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	Further, at the incoming call screen, the Galaxy SII Skyrocket's unlock image is a graphical object, namely a green icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone. (*See* Galaxy SII Skyrocket User Guide, at 42). • Touch and slide [icon] to the right to answer the call. (*Id.*). As a second example, as the user touches and slides the messaging unlock image on the locked home screen, the Galaxy SII Skyrocket continuously moves the unlock image from right to left on the touchscreen display while the user maintains contact with the screen, as shown below. **(Screenshots of the Galaxy SII Skyrocket continuously moving the messaging unlock image across the screen as the user slides her finger to the left to unlock the phone)**

11

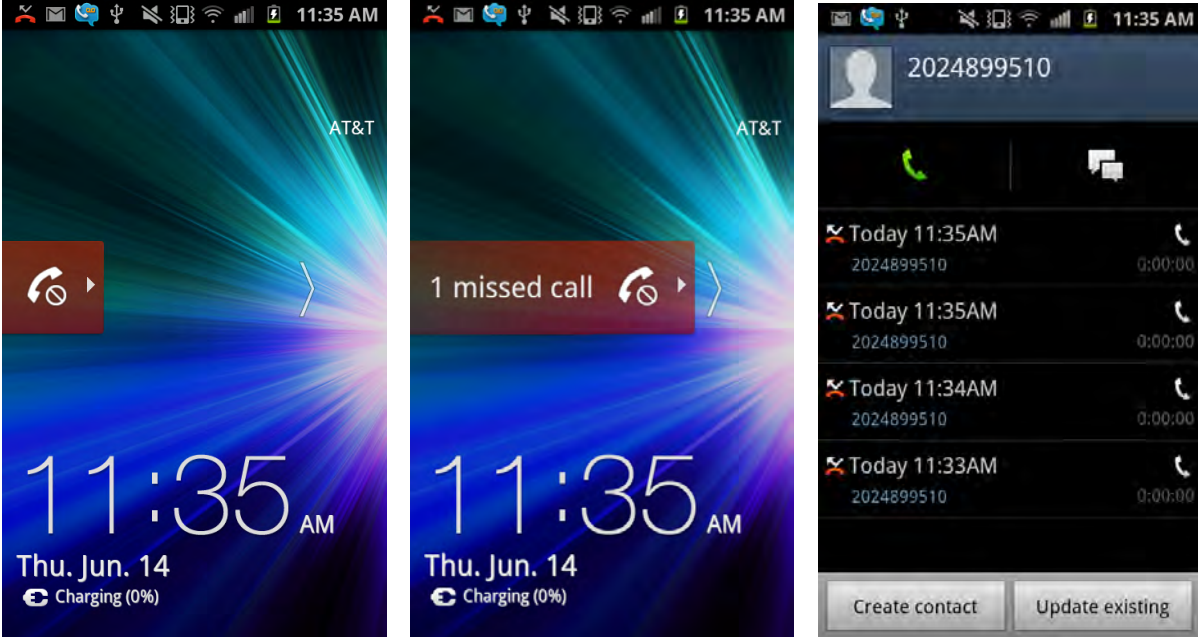| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	Further, at the locked home screen, the Galaxy SII Skyrocket's messaging unlock image is a graphical object, namely an orange icon containing the representation of a text message, that the user touches and then slides across the touchscreen to unlock the phone and view the new text message. **(Screenshot of the Galaxy SII Skyrocket's locked home screen with the messaging unlock image on the right)**

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	As a third example, as the user touches and slides the missed call unlock image on the locked home screen, the Samsung Galaxy SII Skyrocket continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below. (**Screenshots showing the Samsung Galaxy SII Skyrocket continuously moving the unlock image as a user slides it to the right to unlock the phone**)

13

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	Further, the Samsung Galaxy Skyrocket's missed call unlock image is a graphical, interactive user-interface object, namely a red icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone, as shown below. **(Screenshot showing the missed call unlock image on the locked Samsung Galaxy SII Skyrocket home screen)**

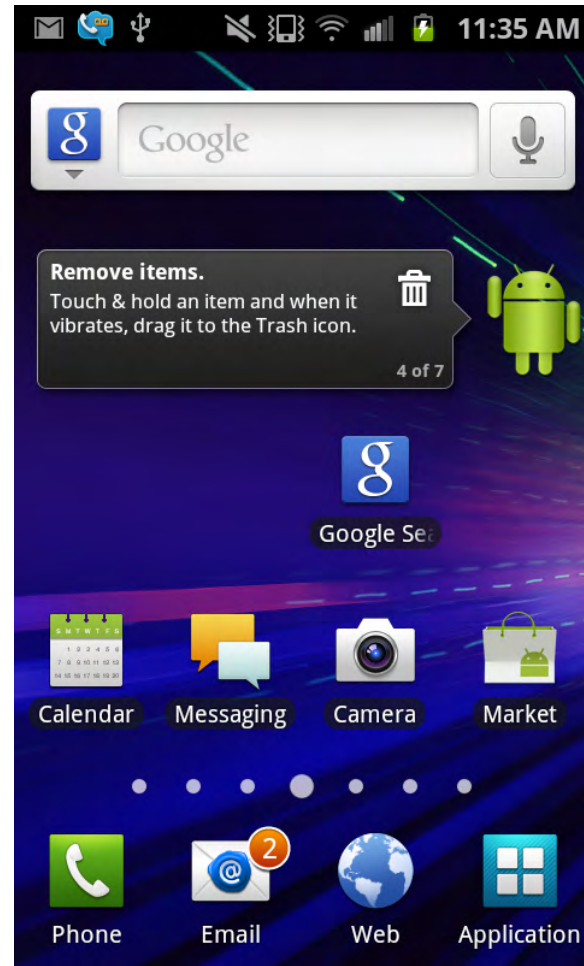| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.	The Galaxy SII Skyrocket's one or more modules include instructions to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display. Specifically, the Galaxy SII Skyrocket includes instructions to unlock the phone to permit the user to answer an incoming phone call. When the user slides the green unlock image from its original location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display, the phone unlocks to facilitate the call. (*See* Galaxy SII Skyrocket User Guide, at 42). (Representation of a user sliding the green unlock image from a first pre-defined location at the left side of the Galaxy SII Skyrocket touchscreen to the unlock region in order to unlock the phone to answer an incoming call. *See* Galaxy SII Skyrocket User Guide, at 42.) After the user answers and then terminates the call, the Galaxy SII Skyrocket remains unlocked for the user to operate. Thus, the phone is a in a user-interface unlock state.

15

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	As a second example, the Galaxy SII Skyrocket unlocks and opens the messaging application when the user slides the orange messaging unlock image from its original location at the right side of the touch-sensitive display to a predefined unlock region on the left side of the touch-sensitive display, as shown below. **(Screenshots of the Galaxy SII Skyrocket showing the messaging unlock image sliding to the left and the phone unlocking as image reaches the predefined unlock region)**

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	After the user unlocks the phone by sliding the orange messaging unlock image to the predefined unlock region, all applications on the phone are available to the user. Thus, the phone is a in a user-interface unlock state. (**Screenshot of the Galaxy SII Skyrocket after the user exits the Messaging application**)

Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	As a third example, the Samsung Galaxy SII Skyrocket unlocks to permit the user to view missed call information when the user slides the red missed call unlock image from its original, predefined location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display. The predefined unlock region is denoted by a large white arrow, as shown below. (**Screenshots of the Samsung Galaxy SII Skyrocket showing the unlock image sliding to the right as a user unlocks the phone to view missed call information**)

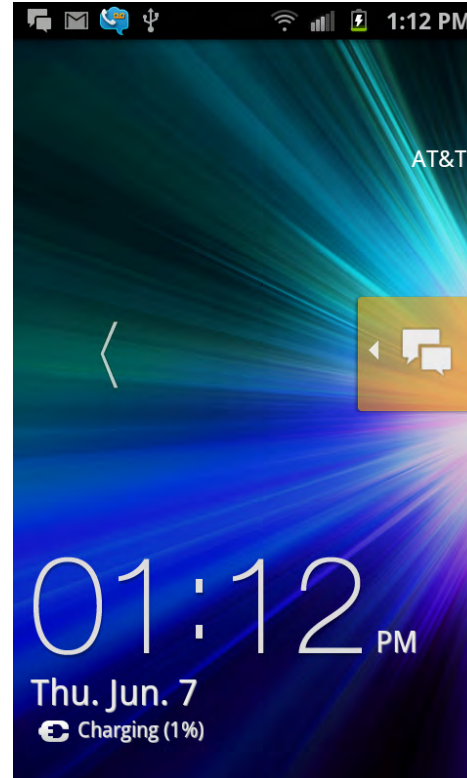| Claim 7[1]	Infringement by the Samsung Galaxy SII Skyrocket
	After the user unlocks the phone using the missed call unlock image, all applications on the phone are available to the user. Thus, the phone is a in a user-interface unlock state. (**Screenshot of the Samsung Galaxy SII Skyrocket after the user exits the missed call log**)

Claim 8	Infringement by the Galaxy SII Skyrocket
8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.	The Galaxy SII Skyrocket's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, the Galaxy SII Skyrocket displays an arrow on the phone's green unlock image on the incoming call screen. (*See* Galaxy SII Skyrocket User Guide, at 42). The arrow is a visual cue that directs the user to slide the image to the right to answer an incoming call. (*Id.*). The presence of the arrow on the unlock image is shown below. 1. At the incoming call screen: • Touch and slide 📞 to the right to answer the call. (Image from the Galaxy SII Skyrocket User Guide with the arrow circled in yellow. *See id.*)

Claim 8	Infringement by the Galaxy SII Skyrocket
	As a second example, the Galaxy SII Skyrocket displays an arrow on the phone's orange messaging unlock image on the locked home screen. The arrow is a visual cue that directs the user to slide the image to the left to unlock the phone and view a new text message. The presence of the arrow on the unlock image is shown below. **(Screenshot of the Galaxy SII Skyrocket showing the presence of the arrow on the messaging unlock image)**

Claim 8	Infringement by the Galaxy SII Skyrocket
	Moreover, when the Samsung Galaxy SII Skyrocket detects user contact with the orange messaging unlock image, it displays a second arrow in the predefined unlock region on the left side of the display, providing the user with an additional visual cue regarding the direction of movement. (**Screenshot of the Samsung Galaxy SII Skyrocket as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement**)

Claim 8	Infringement by the Galaxy SII Skyrocket
	As a third example, the Samsung Galaxy SII Skyrocket displays an arrow on the phone's red missed call unlock image on the locked home screen, as shown below. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and view the missed call log. The presence of the arrow on the unlock image is shown below. (**Screenshot of the Galaxy SII Skyrocket showing the presence of the arrow on the missed call unlock image**)

Claim 8	Infringement by the Galaxy SII Skyrocket
	Moreover, when the Samsung Galaxy SII Skyrocket detects user contact with the red unlock image, it displays a second arrow in the predefined unlock region on the right side of the display, providing the user with an additional visual cue regarding the direction of movement. **(Screenshot of the Samsung Galaxy SII Skyrocket as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement)**