

# **EXHIBIT F10**

## **GALAXY TAB 7.0**


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

**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG GALAXY TAB 7.0 PLUS**


Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Galaxy Tab 7.0 is a portable electronic device. Specifically, the Samsung Galaxy Tab 7.0 is an Android tablet computer with a 7.0'' 1024x600 WSVGA TFT (PLS) touch screen display. (See Samsung, Galaxy Tab 7.0 Specifications, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-specs">http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-specs</a>). It weighs 12.1 oz. and measures 7.6'' (L) x 4.8'' (W) x 0.39'' (D). (<i>Id.</i>).</p> <div data-bbox="1087 532 1486 1154" data-label="Image"> </div> <p>(Samsung, Galaxy Tab 7.0 Gallery <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-gallery">http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-gallery</a>).</p>

<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	<p>Further, the Samsung Galaxy Tab 7.0 is a 4000mAh battery. (Samsung Galaxy Tab 7.0 Features, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-features">http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-features</a>). And it features the Android 3.2, Honeycomb, operating system.</p> <p><b>Android with a touch of TouchWiz®.</b>            Galaxy Tab 7.0 Plus runs on <b>Android™ 3.2, Honeycomb</b>, with access to over 250K apps on Android Market™. And it's running along with the latest version of Samsung's own TouchWiz. That means you'll have even more ways to customize your Tab and get to your favorite content. TouchWiz Live Panels gives you the live content you want right on your magazine-like home screen, including email, Websites and your social networks. The Mini Apps Tray keeps your everyday features close-at-hand and very handy. And the Notification Panel keeps you completely up-to-date.</p>  <p>(Samsung Galaxy Tab 7.0 Features, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-features">http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-features</a>).</p>
<p>a touch-sensitive display;</p>	<p>The Samsung Galaxy Tab 7.0 comprises a touch-sensitive display.</p> <p>For example, according to the Samsung Galaxy Tab 7.0's User Guide, it has a touch screen that allows the user to navigate the device. (Galaxy Tab 7.0 User Manual, at 24). A user interacts with the Samsung Galaxy Tab 7.0's applications by, for example, touching items on the touchscreen to select or launch them, touching and holding screen items to activate them, or swiping/sliding her "finger vertically or horizontally across the screen." (<i>Id.</i>).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	<p data-bbox="716 237 1119 285"><b>Screen Navigation</b></p> <p data-bbox="716 305 835 345"><b>Touch</b></p> <p data-bbox="716 371 1581 415">Touch items to select or launch them. For example:</p> <ul data-bbox="716 435 1625 610" style="list-style-type: none"> <li data-bbox="716 435 1625 479">• Touch the on-screen keyboard to enter characters or text.</li> <li data-bbox="716 500 1230 544">• Touch a menu item to select it.</li> <li data-bbox="716 565 1556 610">• Touch an application's icon to launch the application.</li> </ul> <p data-bbox="688 630 993 670"><b>Touch and Hold</b></p> <p data-bbox="709 696 1356 740">Activate on-screen items. For example:</p> <ul data-bbox="709 760 1671 870" style="list-style-type: none"> <li data-bbox="709 760 1581 803">• Touch and hold a widget on the home screen to move it.</li> <li data-bbox="709 824 1671 870">• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p data-bbox="688 889 1094 930"><b>Swipe, Flick, or Slide</b></p> <p data-bbox="709 956 1629 1065">Swipe, flick, or slide your finger vertically or horizontally across the screen. For example:</p> <ul data-bbox="709 1084 1308 1187" style="list-style-type: none"> <li data-bbox="709 1084 1079 1128">• Unlocking the screen</li> <li data-bbox="709 1149 1308 1187">• Scrolling the Home screens or a menu</li> </ul>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0						
	<p><b>Pinch</b></p> <p>Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out. For example:</p> <ul style="list-style-type: none"> <li>• Pinch a photo in Gallery to zoom in.</li> <li>• Pinch a webpage to zoom in or out.</li> </ul>  <p>(Galaxy Tab 7.0 User Manual, at 24).</p> <p>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.”)).</p>						
memory;	<p>The Samsung Galaxy Tab 7.0 comprises memory. Specifically, the Samsung Galaxy Tab 7.0 has 16GB of internal memory and supports an external microSD card.</p> <table border="1" data-bbox="674 1027 1501 1206"> <thead> <tr> <th colspan="2">Memory</th> </tr> </thead> <tbody> <tr> <td>Internal</td> <td>16GB</td> </tr> <tr> <td>External</td> <td>micro SD card slot supports up to 32GB</td> </tr> </tbody> </table> <p>(Samsung Galaxy Tab 7.0 Specifications, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-specs">http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-specs</a>).</p>	Memory		Internal	16GB	External	micro SD card slot supports up to 32GB
Memory							
Internal	16GB						
External	micro SD card slot supports up to 32GB						

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0				
<p>one or more processors;</p>	<p>The Samsung Galaxy Tab 7.0 comprises one or more processors.</p> <p>It has a 1.2 GHz dual-core Samsung Exynos processor. (<i>Id.</i>).</p> <table border="1" data-bbox="674 386 1425 505"> <tr> <th colspan="2" data-bbox="674 386 1425 444">CPU</th> </tr> <tr> <td data-bbox="674 444 1001 505">CPU</td> <td data-bbox="1001 444 1425 505">Samsung Exynos™ 2x1.2GHz</td> </tr> </table> <p>(Samsung Galaxy Tab 7.0 Android Smartphone Specifications, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-specs">http://www.samsung.com/us/mobile/galaxy-tab/GT-P6210MAYXAR-specs</a>).</p>	CPU		CPU	Samsung Exynos™ 2x1.2GHz
CPU					
CPU	Samsung Exynos™ 2x1.2GHz				
<p>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:</p>	<p>The Samsung Galaxy Tab 7.0 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.</p> <p>The Samsung Galaxy Tab 7.0 contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Galaxy Tab 7.0's processor. This module allows the Samsung Galaxy Tab 7.0 to detect contact with the touchscreen. The Samsung Galaxy Tab 7.0 User Guide discloses some of those contacts that the contact/motion module detects, as shown below.</p> <p><b>Screen Navigation</b></p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on-screen keyboard to enter characters or text.</li> <li>• Touch a menu item to select it.</li> <li>• Touch an application's icon to launch the application.</li> </ul>				

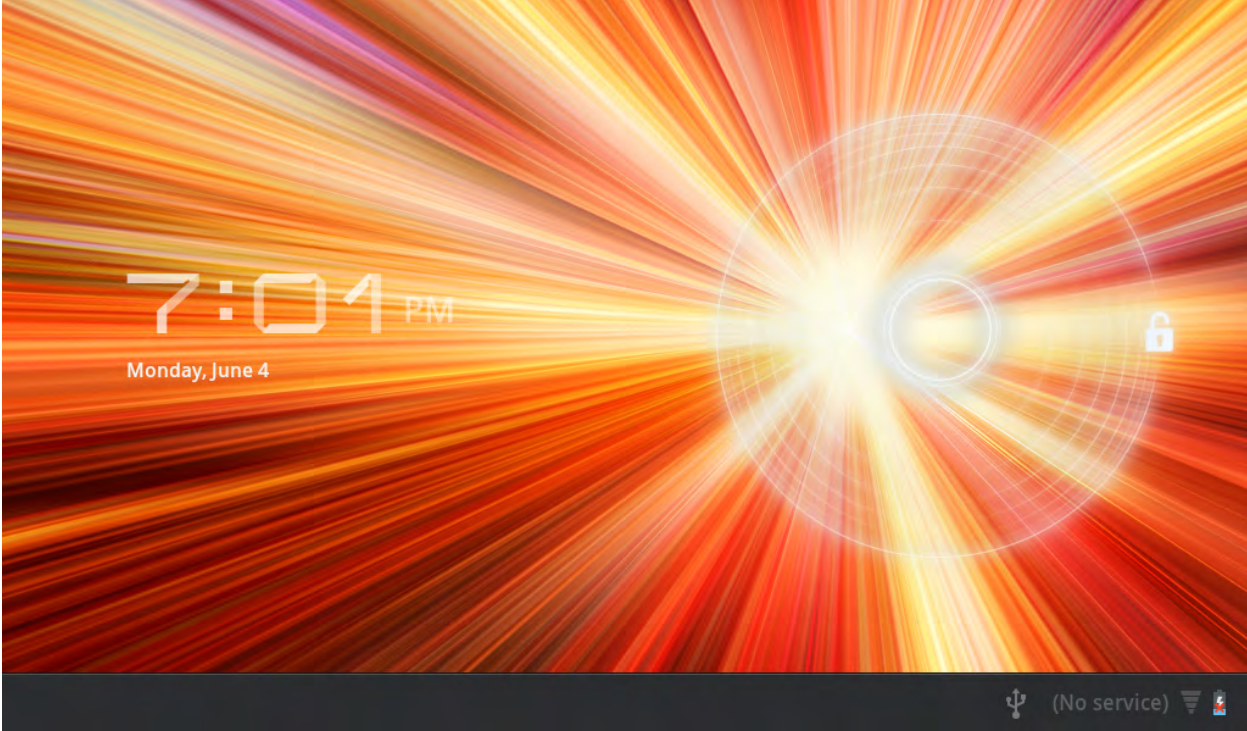





Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	<p><b>Touch and Hold</b></p> <p>Activate on-screen items. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p><b>Swipe, Flick, or Slide</b></p> <p>Swipe, flick, or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"> <li>• Unlocking the screen</li> <li>• Scrolling the Home screens or a menu</li> </ul> <p><b>Pinch</b></p> <p>Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out. For example:</p> <ul style="list-style-type: none"> <li>• Pinch a photo in Gallery to zoom in.</li> <li>• Pinch a webpage to zoom in or out.</li> </ul>  <p>(Galaxy Tab 7.0 User Manual, at 24).</p>


Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Galaxy Tab 7.0'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.</p> <p>For example, when the Galaxy Tab 7.0's home screen is locked and in landscape mode, it displays an unlock image at a predefined location at the right side of the touchscreen.<sup>3</sup> As is shown in the screenshot below, this unlock image is a white circle. Prior to detecting user contact with this unlock image, the Samsung Galaxy Tab 7.0 displays a white padlock inside the circle.</p> <div data-bbox="774 558 1797 1159" data-label="Image"> </div> <p>(Screenshot of the locked home screen for the Galaxy Tab 7.0, displaying the unlock image at a predefined location on the right side of the touchscreen display)</p>

<sup>3</sup> Analysis in this chart is based on the unlock screen of the Galaxy Tab 7.0 Plus viewed in landscape mode; however, the device infringes the '721 patent when held vertically as well. When the Galaxy Tab 7.0 Plus is held vertically, the unlock image appears at the bottom center of the screen. The remainder of the analysis is the same.



Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	<p>The Samsung Galaxy Tab 7.0 detects contact with this unlock image as a user touches and then slides the image to unlock the tablet. As is shown below, when the Galaxy Tab 7.0 detects user contact with the unlock image, the image of the padlock disappears and a larger circle appears. This larger circle corresponds to the predefined unlock region.</p>  <p>(Screenshots of the Samsung Galaxy Tab 7.0 detecting a contact with the unlock image on the locked home screen)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	<p>As the Galaxy Tab 7.0 User Manual indicates, the Galaxy Tab 7.0 unlocks when the user drags the unlock image to the edge of this larger circle.</p> <p><b>Unlocking the Device</b></p> <ol style="list-style-type: none"><li>1. Press the <b>Power/Lock Key</b> .</li><li>2. Touch and drag the <b>Unlock</b>  icon to the edge of the circle that appears, as shown.</li></ol>  <p>The last screen you accessed displays. (Galaxy Tab User Manual, at 14).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
<p>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</p>	<p>The Samsung Galaxy Tab 7.0'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.</p> <p>For example, as the user touches and slides the white unlock image towards the predefined unlock region on the locked Galaxy Tab 7.0 home screen, the tablet continuously moves the unlock image while the user maintains contact with the screen, as shown below.</p>  <p>(Screenshot of the Galaxy Tab 7.0 as it is detecting contact with the unlock image)</p>



**Claim 7<sup>1</sup>**

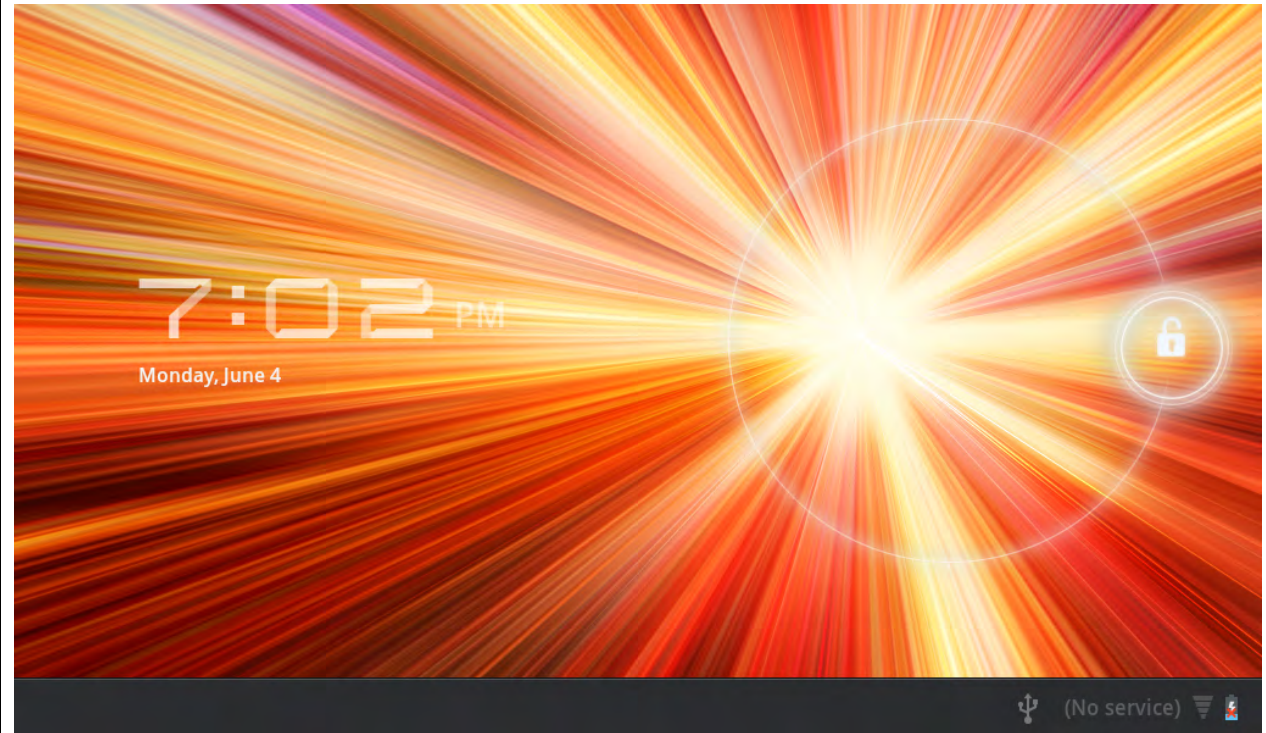
**Infringement by the Samsung Galaxy Tab 7.0**



**(Screenshot of the Galaxy Tab 7.0 continuously moving the unlock image as the user slides to the right towards the predefined unlock region)**


**Claim 7<sup>1</sup>**




**Infringement by the Samsung Galaxy Tab 7.0**

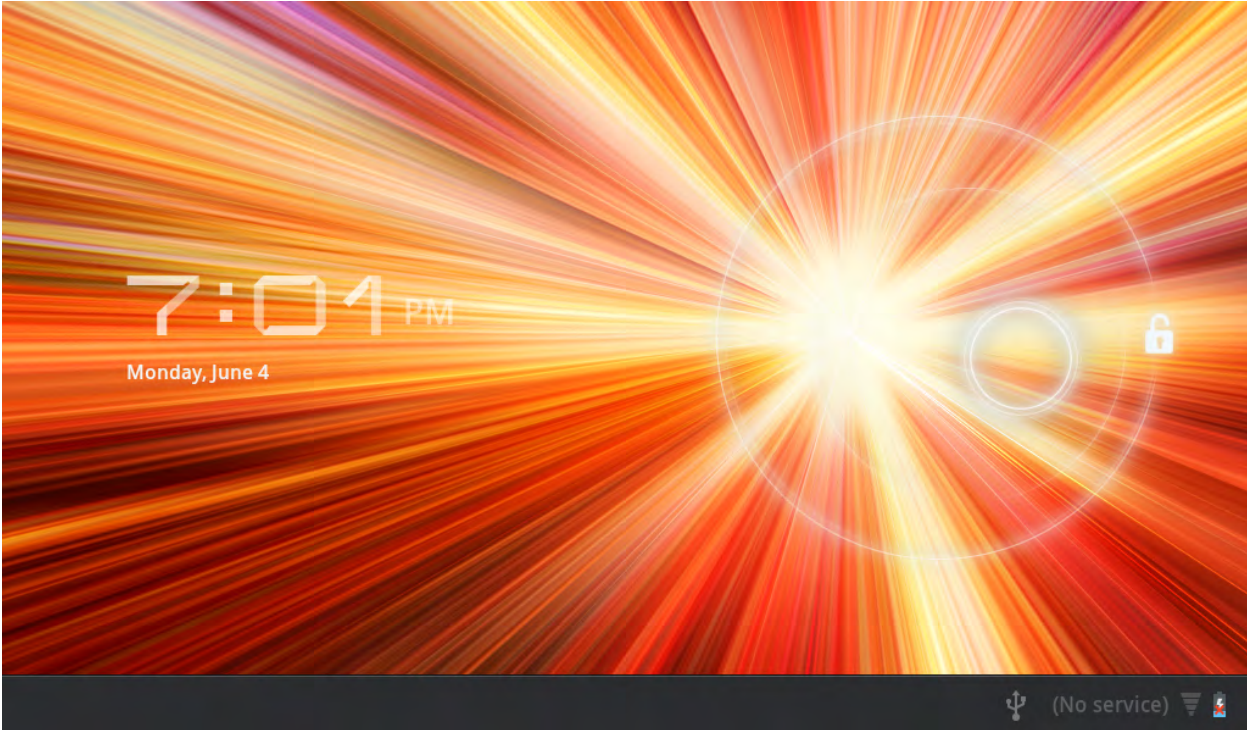


**(Screenshot showing the Samsung Galaxy Tab 7.0 continuously moving the unlock image as a user slides it to the right to unlock the tablet)**

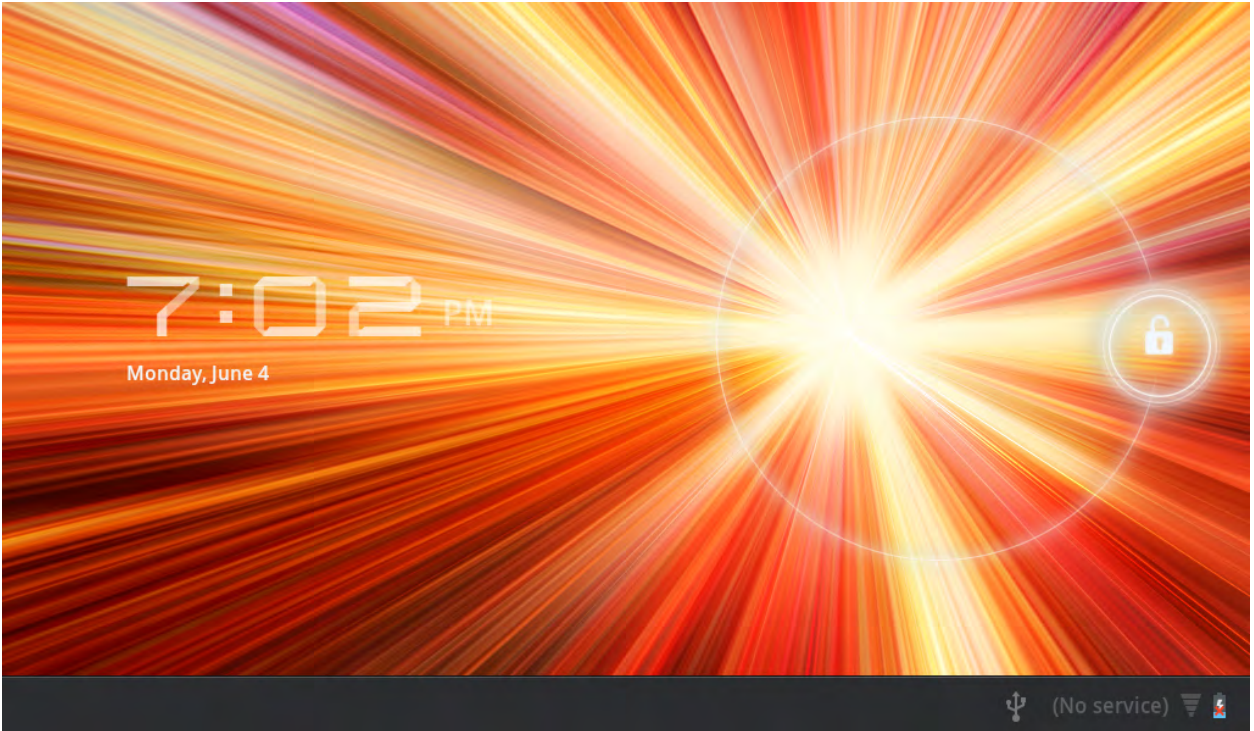


<b>Claim 7<sup>1</sup></b>	<b>Infringement by the Samsung Galaxy Tab 7.0</b>
	<p>Further, the Samsung Galaxy Tab 7.0's white unlock image is a graphical, interactive user-interface object, namely a white circle, as shown below, that the user touches and then slides across the touchscreen to unlock the tablet.</p>  <p>(Screenshot showing the white unlock image (highlighted in blue) on the locked Samsung Galaxy Tab 7.0 home screen)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
<p>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.</p>	<p>The Samsung Galaxy Tab 7.0'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.</p> <p>For example, as the Galaxy Tab 7.0 User Manual indicates, the Galaxy Tab 7.0 unlocks when the user drags the white unlock image to the edge of the predefined unlock region, which is a large white circle displayed on the Galaxy Tab 7.0 touchscreen.</p> <p><b>Unlocking the Device</b></p> <ol style="list-style-type: none"> <li>1. Press the <b>Power/Lock Key</b> .</li> <li>2. Touch and drag the <b>Unlock</b>  icon to the edge of the circle that appears, as shown.</li> </ol>  <p>The last screen you accessed displays.</p> <p>(Galaxy Tab User Manual, at 14).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	<p>Accordingly, as shown in the series of screenshots below, the Galaxy Tab 7.0 unlocks if the white unlock image is moved from its original, predefined location on the touch screen to predefined unlock region. As explained previously, the predefined unlock region is a large white circle. The tablet unlocks when the user slides the white unlock image to the edge of the circle.</p> 



Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 7.0
	 A screenshot of the Samsung Galaxy Tab 7.0 lock screen. The background is a vibrant, abstract pattern of radiating lines in shades of orange, red, and yellow, creating a sunburst effect. In the center-left, the time "7:02 PM" is displayed in a large, white, digital font. Below the time, the date "Monday, June 4" is shown in a smaller white font. On the right side, there is a circular lock icon with a white padlock symbol inside, surrounded by a thin white glow. At the bottom of the screen, a dark grey status bar contains several icons: a USB symbol, the text "(No service)", a signal strength indicator, and a battery icon.


Claim 7<sup>1</sup>

Infringement by the Samsung Galaxy Tab 7.0



(Screenshot of unlocked Galaxy Tab 7.0)



Claim 8	Infringement by the Samsung Galaxy Tab 7.0
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Galaxy Tab 7.0's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, when the Samsung Galaxy Tab 7.0 detects contact with the white unlock image, it displays a large white circle that is associated with an image of an unlocked padlock. This large white circle, which corresponds to the predefined unlock region, is a visual cue communicating to the user the direction of movement required to unlock the device. The presence of the large white circle is shown in the screenshot below.</p>  <p>(Screenshot of the Samsung Galaxy Tab 7.0 unlock image showing the large white circle corresponding to the predefined unlock region)</p>

# **EXHIBIT F11**

## **GALAXY TAB 8.9**

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

**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG GALAXY TAB 8.9**

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Galaxy Tab 8.9 is a portable electronic device. Specifically, the Samsung Galaxy Tab 8.9 is an Android tablet computer with an 8.9” WXGA (1280x800) TFT (PLS) touch screen display. (See Samsung, Galaxy Tab 8.9 Specifications, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-specs">http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-specs</a>). It weighs 15.8 oz. and measures 9.1” (L) x 6.2” (W) x .34” (D). (<i>Id.</i>).</p> <div data-bbox="856 537 1724 1130" data-label="Image"> </div> <p>(Samsung, Galaxy Tab 8.9 Gallery, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-gallery">http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-gallery</a>).</p>

<sup>1</sup> 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.


<sup>2</sup> 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 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	<p>It has a 1GHz dual-core processor. (Samsung Galaxy Tab 8.9 Features, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-features">http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-features</a> (“The Dual core 1GHz processor runs every function and app effortlessly.”)) Further, the Samsung Galaxy Tab 8.9 is equipped with a Li-polymer, 6100mAh battery. (<i>Id.</i>) It features the Android 3.1, Honeycomb, operating system. (<i>Id.</i>)</p>
<p>a touch-sensitive display;</p>	<p>The Samsung Galaxy Tab 8.9 comprises a touch-sensitive display.</p> <p>For example, according to the Samsung Galaxy Tab 8.9’s User Guide, it has a touch screen that allows the user to navigate the device. (Samsung Galaxy Tab 8.9 User Manual, at 18). A user interacts with the Samsung Galaxy Tab 8.9’s applications by, for example, touching items on the touchscreen to select or launch them, touching and holding screen items to activate them, or swiping/sliding her “finger vertically or horizontally across the screen.” (<i>Id.</i>)</p> <p><b>Screen Navigation</b></p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on-screen keyboard to enter characters or text.</li> <li>• Touch a menu item to select it.</li> <li>• Touch an application’s icon to launch the application.</li> </ul> <p><b>Touch and Hold</b></p> <p>Activate on-screen items. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul>


Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	<p><b>Swipe, Flick, or Slide</b>                      Swipe, flick, or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"> <li>• Unlocking the screen</li> <li>• Scrolling the Home screens or a menu</li> </ul> <p><b>Pinch</b>                      Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out. For example:</p> <ul style="list-style-type: none"> <li>• Pinch a photo in Gallery to zoom in.</li> <li>• Pinch a webpage to zoom in or out.</li> </ul> <p>(Galaxy Tab 8.9 User Manual, at 18).</p> <p>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.”)).</p>
memory;	<p>The Samsung Galaxy Tab 8.9 comprises memory.</p> <p>Specifically, the Samsung Galaxy Tab 8.9 has either 16GB of internal memory.</p>





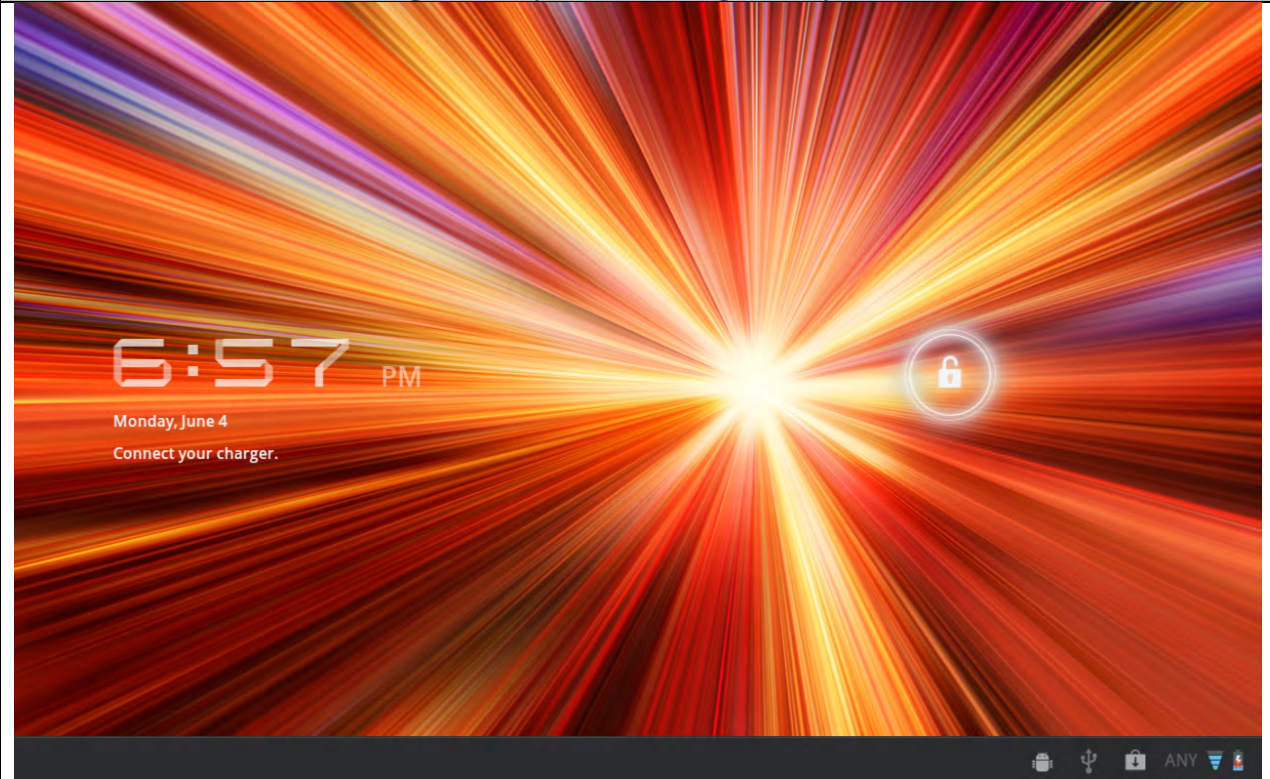
Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9		
	<div data-bbox="680 240 1314 358" style="border: 1px solid gray; padding: 5px;"> <p style="text-align: center; margin: 0;"><b>Memory</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Internal</b></td> <td style="padding: 2px;">16GB Internal Memory</td> </tr> </table> </div> <p>(Samsung Galaxy Tab 8.9 Specifications, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-specs">http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-specs</a>).</p>	<b>Internal</b>	16GB Internal Memory
<b>Internal</b>	16GB Internal Memory		
<p>one or more processors;</p>	<p>The Samsung Galaxy Tab 8.9 comprises one or more processors.</p> <p>For example, the Samsung Galaxy Tab 8.9 has a 1GHz dual-core processor.</p> <div data-bbox="688 667 1444 706" style="margin-top: 20px;"> <p><b>Performs at a higher level. So you can, too.</b></p> </div> <div data-bbox="688 719 1283 1089" style="margin-top: 5px;"> <p>Surf the internet just like on a PC, and get the full enjoyment of Adobe® Flash® Player compatible sites, games, and videos. <b>The Dual core 1GHz processor runs every function and app effortlessly.</b> A full gig of ram gives you plenty of memory. The Tab's Android™ 3.1, Honeycomb platform is the proven gold standard to perform the full range of Google services like optimized Gmail™ and Google Maps™.</p> </div> <div data-bbox="1339 719 1881 976" style="margin-top: 10px;">  </div> <p>(Samsung Galaxy Tab 8.9 Features, <a href="http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-features">http://www.samsung.com/us/mobile/galaxy-tab/GT-P7310MAAXAR-features</a>).</p>		
<p>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:</p>	<p>The Samsung Galaxy Tab 8.9 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.</p> <p>The Samsung Galaxy Tab 8.9 contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Galaxy Tab 8.9's processor. This</p>		

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	<p>module allows the Samsung Galaxy Tab 8.9 to detect contact with the touchscreen. The Samsung Galaxy Tab 8.9 User Guide discloses some of those contacts that the contact/motion module detects, as shown below.</p> <p><b>Screen Navigation</b></p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"><li>• Touch the on-screen keyboard to enter characters or text.</li><li>• Touch a menu item to select it.</li><li>• Touch an application's icon to launch the application.</li></ul> <p><b>Touch and Hold</b></p> <p>Activate on-screen items. For example:</p> <ul style="list-style-type: none"><li>• Touch and hold a widget on the home screen to move it.</li><li>• Touch and hold on a field to display a pop-up menu of options.</li></ul>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	<p><b>Swipe, Flick, or Slide</b>                      Swipe, flick, or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"> <li>• Unlocking the screen</li> <li>• Scrolling the Home screens or a menu</li> </ul> <p><b>Pinch</b>                      Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out. For example:</p> <ul style="list-style-type: none"> <li>• Pinch a photo in Gallery to zoom in.</li> <li>• Pinch a webpage to zoom in or out.</li> </ul>  <p>(Galaxy Tab 8.9 User Manual, at 18).</p>
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Galaxy Tab 8.9'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.</p> <p>For example, when the Galaxy Tab 8.9's home screen is locked and in landscape mode, it displays an unlock image at a predefined location at the right side of the touchscreen. As is shown in the screenshot below, this unlock image is a white circle. Prior to detecting user contact with this unlock image, the Samsung Galaxy Tab 8.9 displays a white padlock inside the circle.</p>

**Claim 7<sup>1</sup>**

**Infringement by the Samsung Galaxy Tab 8.9**



**(Screenshot of the locked home screen for the Galaxy Tab 8.9, displaying the unlock image at a predefined location on the right side of the touchscreen display)**

The Samsung Galaxy Tab 8.9 detects contact with this unlock image as a user touches and then slides the image to unlock the tablet. As is shown below, when the Galaxy Tab 8.9 detects user contact with the unlock image, the image of the padlock disappears and a larger circle appears. This larger circle corresponds to the predefined unlock region.



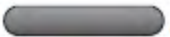


**Claim 7<sup>1</sup>**


**Infringement by the Samsung Galaxy Tab 8.9**



**(Screenshots of the Samsung Galaxy Tab 8.9 detecting a contact with the unlock image on the locked home screen)**



Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	<p>As the Galaxy Tab 8.9 User Manual indicates, the Galaxy Tab 8.9 unlocks when the user drags the unlock image to the edge of this larger circle.</p> <p><b>Unlocking the Device</b></p> <ol style="list-style-type: none"><li>1. Press the <b>Power/Lock Key</b> .</li><li>2. Touch and drag the <b>Unlock</b>  icon to the edge of the circle that appears, as shown.</li></ol>  <p>The last screen you accessed displays.</p> <p>(Galaxy Tab 8.9 User Manual, at 10).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
<p>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</p>	<p>The Samsung Galaxy Tab 8.9'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.</p> <p>For example, as the user touches and slides the white unlock image towards the predefined unlock region on the locked Galaxy Tab 8.9 home screen, the tablet continuously moves the unlock image while the user maintains contact with the screen, as shown below.</p>  <p>(Screenshot of the Galaxy Tab 8.9 as it is detecting contact with the unlock image)</p>


**Claim 7<sup>1</sup>**

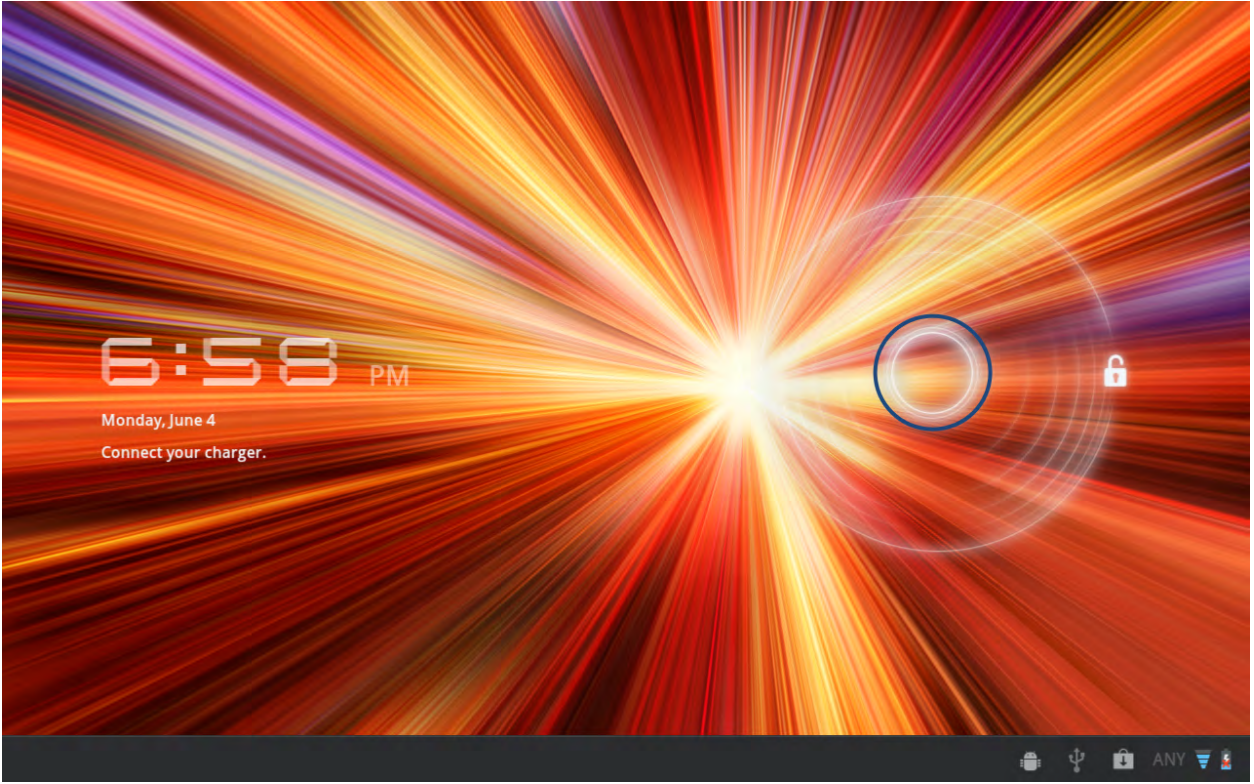
**Infringement by the Samsung Galaxy Tab 8.9**



**(Screenshot of the Galaxy Tab 8.9 continuously moving the unlock image as the user slides to the right towards the predefined unlock region)**



Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	 <p data-bbox="682 1047 1894 1117"><b>(Screenshot showing the Samsung Galaxy Tab 8.9 continuously moving the unlock image as a user slides it to the right to unlock the tablet)</b></p> <p data-bbox="667 1157 1850 1260">Further, the Samsung Galaxy Tab 8.9's white unlock image is a graphical, interactive user-interface object, namely a white circle, as shown below, that the user touches and then slides across the touchscreen to unlock the tablet.</p>



Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	 <p>(Screenshot showing the white unlock image (highlighted in blue) on the locked Samsung Galaxy Tab 8.9 home screen)</p>
<p>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.</p>	<p>The Samsung Galaxy Tab 8.9'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.</p> <p>For example, as the Galaxy Tab 8.9 User Manual indicates, the Galaxy Tab 8.9 unlocks when the user drags the white unlock image to the edge of the predefined unlock region, which is a large white circle displayed on the Galaxy Tab 8.9 touchscreen.</p>



**Claim 7<sup>1</sup>**

**Infringement by the Samsung Galaxy Tab 8.9**

***Unlocking the Device***

1. Press the **Power/Lock Key** .
2. Touch and drag the **Unlock**  icon to the edge of the circle that appears, as shown.

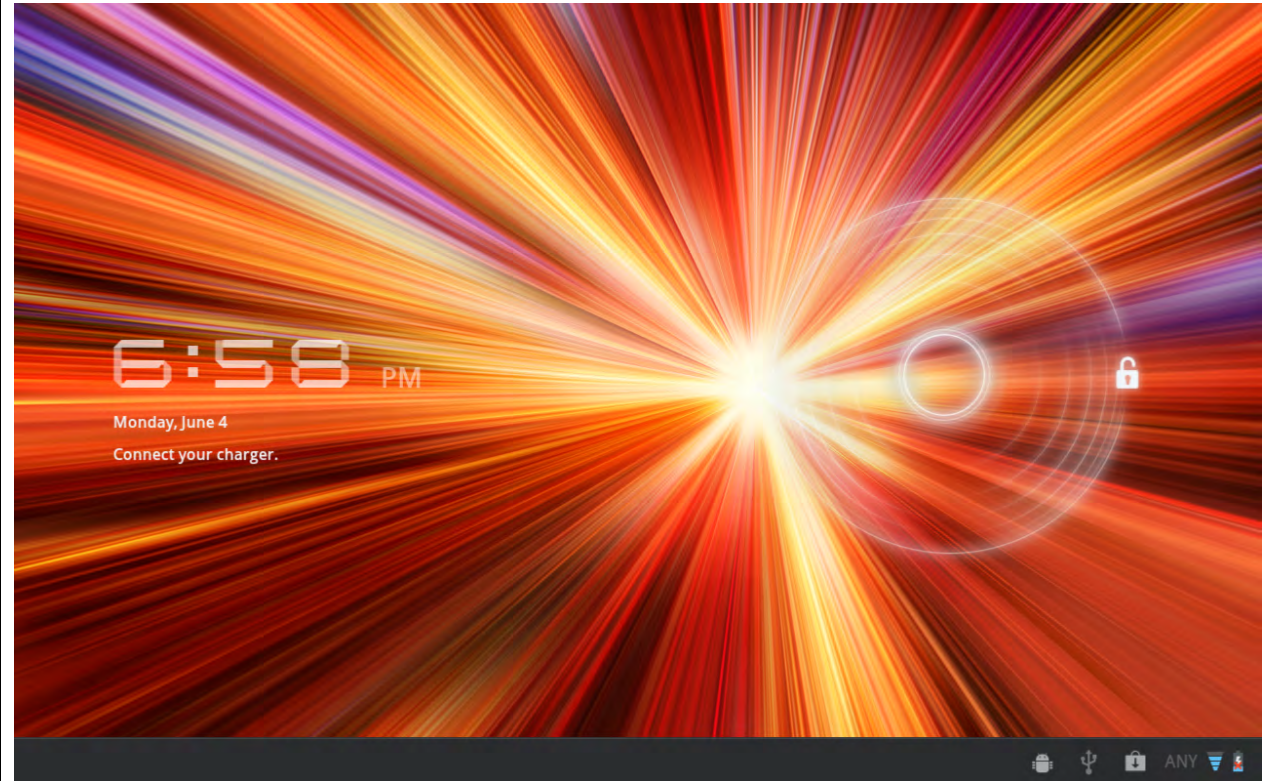



The last screen you accessed displays.

(Galaxy Tab 8.9 User Manual, at 10).

**Claim 7<sup>1</sup>****Infringement by the Samsung Galaxy Tab 8.9**

Accordingly, as shown in the series of screenshots below, the Galaxy Tab 8.9 unlocks if the white unlock image is moved from its original, predefined location on the touch screen to the predefined unlock region. As explained previously, the predefined unlock region is a large white circle. The tablet unlocks when the user slides the white unlock image to the edge of the circle, as is shown in the screenshots below.



Claim 7 <sup>1</sup>	Infringement by the Samsung Galaxy Tab 8.9
	 <p>A screenshot of the Samsung Galaxy Tab 8.9 lock screen. The background is a vibrant, radial burst of light in shades of orange, red, and yellow. In the center-left, the time "6:59 PM" is displayed in a white, digital font. Below the time, the date "Monday, June 4" and the message "Connect your charger." are shown in a smaller white font. On the right side, there is a white padlock icon inside a circular glow. At the bottom of the screen, a dark grey dock contains several icons: a USB symbol, a battery level indicator, and the text "ANY" next to a signal strength icon.</p>




Claim 7<sup>1</sup>

Infringement by the Samsung Galaxy Tab 8.9



(Screenshot of the unlocked Galaxy Tab 8.9)



Claim 8	Infringement by the Samsung Galaxy Tab 8.9
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Galaxy Tab 8.9's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, when the Samsung Galaxy Tab 8.9 detects contact with the white unlock image, it displays a large white circle that is associated with an image of an unlocked padlock. This large white circle, which corresponds to the predefined unlock region, is a visual cue communicating to the user the direction of movement required to unlock the device. The presence of the large white circle is shown in the screenshot below.</p>  <p>(Screenshot of the Samsung Galaxy Tab 8.9 unlock image showing the large white circle corresponding to the predefined unlock region)</p>

# **EXHIBIT F12**

# **ILLUSION**

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

**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG ILLUSION (SCH-I110)**

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Illusion is a portable electronic device. Specifically, the Samsung Illusion is an Android smartphone, which is available from Verizon, with a 3.5” touch screen display. (See Samsung, Illusion Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW-specs</a>). It weighs 4.2 oz. and measures 4.50” (L) x 2.36” (W) x 0.46” (D). (<i>Id.</i>). It has a 1.0 GHz processor. (See Samsung Illusion Overview, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW">http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW</a>). Further, it equipped with a rechargeable Lithium ion (Li-ion) battery. (Samsung Illusion User Manual, at 6).</p> <div data-bbox="961 602 1625 1177" data-label="Image"> <p>The image shows two views of the Samsung Illusion smartphone. On the left is the front view, displaying the Verizon logo at the top, a digital clock showing 10:10 AM, the date Thursday, 10/06, and weather information for New York (72°F, Sunny). Below the weather are icons for Voice Mail, Email, Browser, and Market. At the bottom are icons for Phone, Contacts, Messages, and Applications. On the right is the back view, showing a camera lens, the Verizon logo, and the SAMSUNG logo at the bottom.</p> </div> <p>(Samsung, Illusion Gallery, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW-gallery">http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW-gallery</a>).</p>


<sup>1</sup> 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.

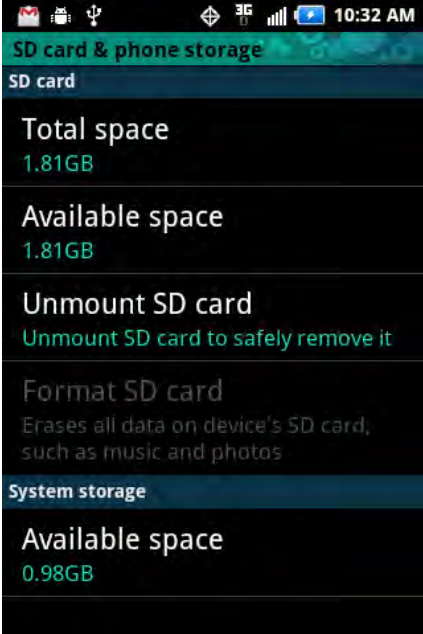
<sup>2</sup> Apple’s inclusion of citations related to any claim preamble in this infringement claim chart should not be interpreted as an admission that the preamble is limiting. Apple reserves the right to take the position that the claim preamble is limiting or not limiting on a claim-by-claim basis.

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p>Further, it runs Android 2.3, Gingerbread. (Samsung Illusion Overview, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW">http://www.samsung.com/us/mobile/cell-phones/SCH-I110ZKAVZW</a>).</p> <p style="text-align: center;"><b>It runs Android Gingerbread. Sweet.</b></p> <p style="text-align: center;">The Android 2.3, Gingerbread operating system is the perfect technology to organize your life while expressing your personality. Stay entertained with video, web browsing and gaming. Keep an organized schedule, stay connected and be more productive with an amazing array of Android apps – 250,000 apps and counting.</p> <p><i>(Id.)</i>.</p>
<p>a touch-sensitive display;</p>	<p>The Samsung Illusion comprises a touch-sensitive display. For example, according to the Samsung Illusion’s User Guide, it has a touch screen that allows the user to navigate the device and responds “to a light touch from the pad of your finger.” (Samsung, Illusion All Digital Android Smartphone User Manual, at 19 (2011) [hereinafter “Illusion User Manual”]). A user interacts with the Samsung Illusion through a variety of finger gestures, including, for example, touching items on the touchscreen to select or launch them, touching and holding screen items to activate them, or flicking and sliding, meaning flicking or sliding “your finger vertically or horizontally across the screen.” <i>(Id.</i> at 20).</p> <p><b>Finger Gestures</b></p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on screen keyboard to enter characters or text.</li> <li>• Touch an item to select it.</li> <li>• Touch an application’s icon to launch the application.</li> </ul>



Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p><b>Touch and Hold</b></p> <p>Activate onscreen items by a touch and hold gesture. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p><b>Flick or drag</b></p> <p>Flick or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"> <li>• Unlocking the screen</li> <li>• Scrolling the Home screen or a menu</li> </ul> <p><b>Pinch</b></p> <p>Using two fingers, make a pinch motion on the screen. For example:</p> <ul style="list-style-type: none"> <li>• Pinch in to zoom in on pictures or screens.</li> <li>• Pinch out to zoom out on pictures or screens.</li> </ul> <p>(Illusion User Manual, at 20).</p>

Claim 7'	Infringement by the Samsung Illusion
	<p><b>Unlocking the phone</b></p> <p>Unlock the phone using one of the default unlock screens, or for increased security, use a personal screen lock PIN, password, or pattern.</p> <ul style="list-style-type: none"><li>▶ Press the  <b>Power/Lock Key</b>, then touch and drag the puzzle piece to fit the empty space.</li></ul> <p>(Illusion User Manual, at 14).</p> <p>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.”)).</p>

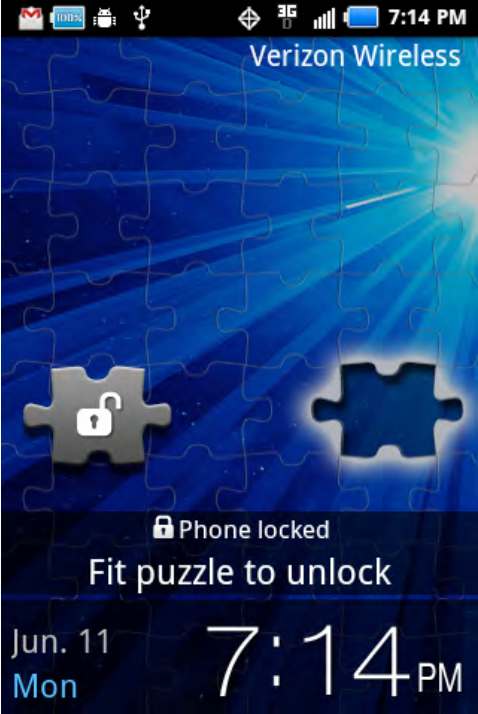
Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
<p>memory;</p>	<p>The Samsung Illusion comprises memory. For example, the Samsung Illusion has internal memory and supports an external microSD card.</p>  <p>(Screenshot of Samsung Illusion displaying available memory)</p>
<p>one or more processors;</p>	<p>The Samsung Illusion comprises one or more processors. For example, the Samsung Illusion has a 1.0 GHz processor.</p> <p><b>It's got plenty of power under the hood.</b></p> <p>You might think that such an affordable phone would cut corners when it comes to processing power. But your Illusion™ comes equipped with a full 1 GHz processor to keep all your apps, websites, games, and videos moving smoothly with little lagging, stalling or buffering.</p> <p>(Samsung Illusion Features, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I110Z KAVZW-features">http://www.samsung.com/us/mobile/cell-phones/SCH-I110Z KAVZW-features</a>).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
<p>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:</p>	<p>The Samsung Illusion 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.</p> <p>The Samsung Illusion contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Illusion's processor. This module allows the Samsung Illusion to detect contact with the touchscreen. The Samsung Illusion User Guide discloses some of those contacts that the contact/motion module detects, as shown below.</p> <p><b>Finger Gestures</b></p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on screen keyboard to enter characters or text.</li> <li>• Touch an item to select it.</li> <li>• Touch an application's icon to launch the application.</li> </ul> <p><b>Touch and Hold</b></p> <p>Activate onscreen items by a touch and hold gesture. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul>



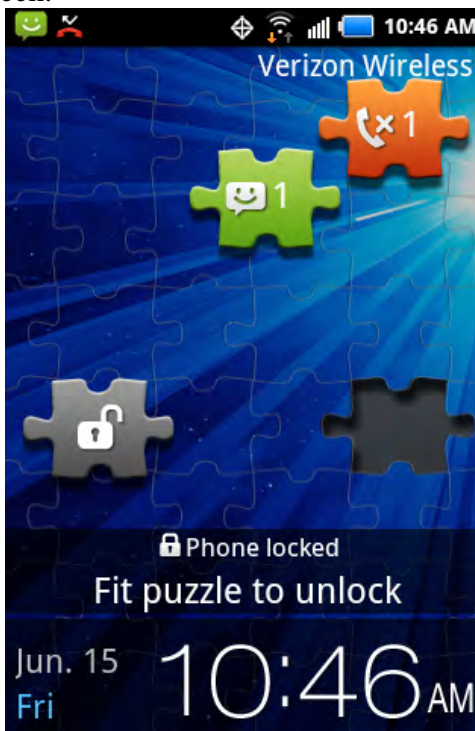
Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p><b>Flick or drag</b></p> <p>Flick or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"><li>• Unlocking the screen</li><li>• Scrolling the Home screen or a menu</li></ul> <p><b>Pinch</b></p> <p>Using two fingers, make a pinch motion on the screen. For example:</p> <ul style="list-style-type: none"><li>• Pinch in to zoom in on pictures or screens.</li><li>• Pinch out to zoom out on pictures or screens.</li></ul> <p>(Illusion User Manual, at 20).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Illusion'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.</p> <p>For example, when the Illusion's home screen is locked, it contains 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 gray puzzle piece containing the representation of an unlocked padlock.</p> <div data-bbox="1037 467 1549 1230" data-label="Image"> </div> <p>(Screenshot of the locked home screen for the Illusion, displaying the unlock image at a predefined location on the left side of the touchscreen display)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p>The Samsung Illusion detects contact with this unlock image as a user touches and then slides the image to the right to unlock the phone. In addition to the unlock image, a predefined unlock region appears on the locked home screen. As is shown in the screenshot above, this predefined unlock region is a representation of a missing puzzle piece. As is shown below, when the Samsung Illusion detects contact with the unlock image, the region representing the missing puzzle piece changes color from gray to blue and is outlined in white.</p>  <p>(Screenshots of the Samsung Illusion detecting a contact with the unlock image on the locked home screen)</p>

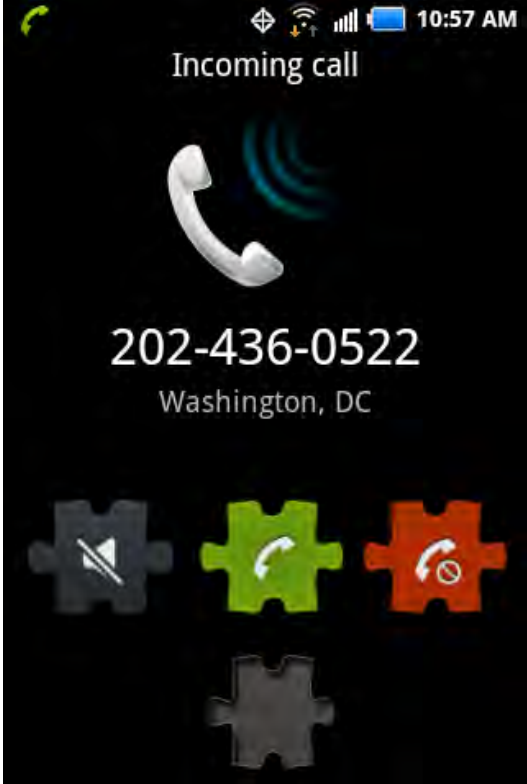
**Claim 7<sup>1</sup>****Infringement by the Samsung Illusion**

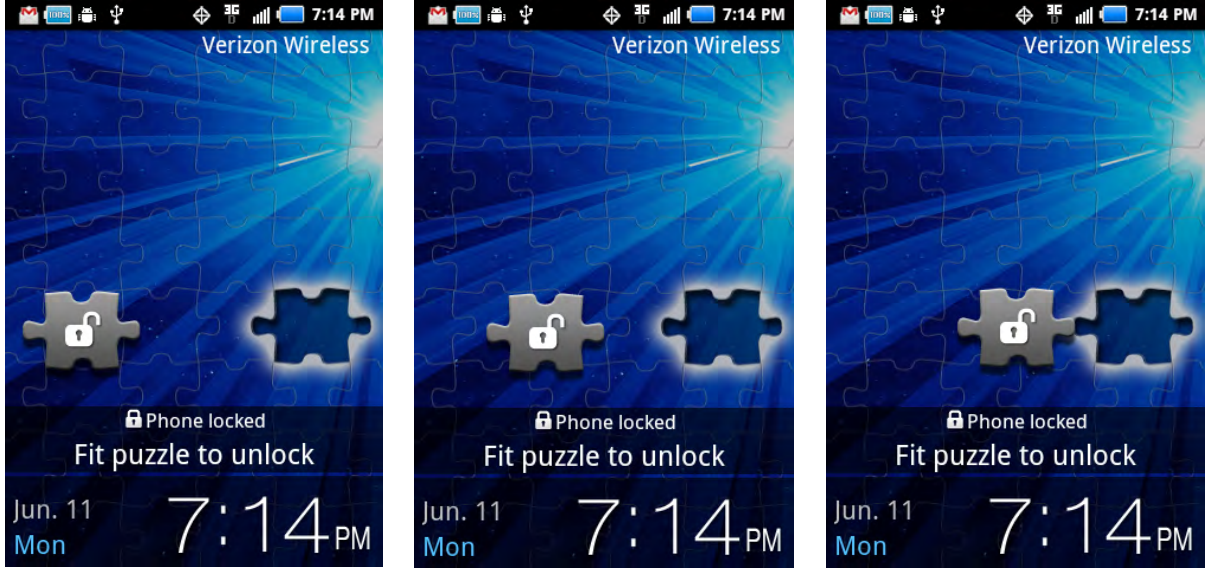
Additionally, when the Samsung Illusion is locked and the user receives a text message or misses a call, the Samsung Illusion displays messaging and missed call unlock images, respectively. The messaging unlock image is a green puzzle piece containing a representation of the messaging application while the missed call unlock image is an orange puzzle piece containing a representation of a phone. The Samsung Illusion detects contact with these unlock images as a user touches and then slides the images to the empty space. Just as with the general unlock image, when the Samsung Illusion detects contact with these unlock images, the unlock region representing the missing puzzle piece changes from gray to multi-colored, reflecting the background image on the screen.



**(Screenshot of the locked Samsung Illusion home screen showing the orange missed call unlock image and the green messaging unlock image)**

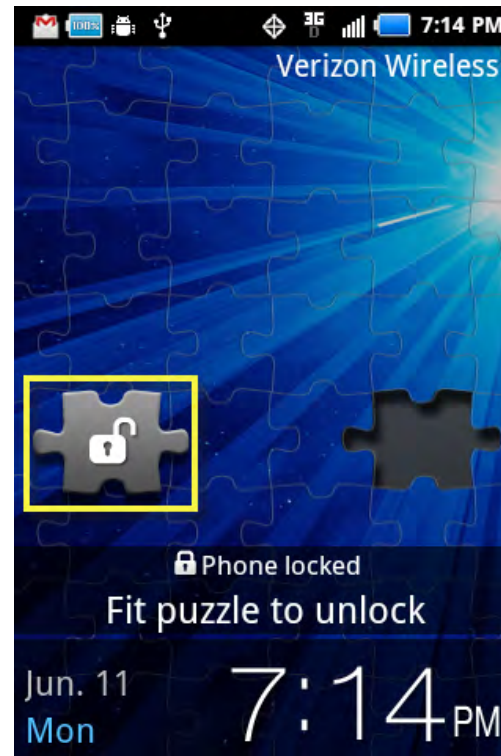


Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p data-bbox="680 235 1906 410">As a third example, when the locked Samsung Illusion receives an incoming call, it displays an incoming call unlock image on the incoming call screen. This unlock image is a green puzzle piece containing the representation of a phone, as shown below. The Samsung Illusion detects contact with this unlock image as the user touches and then slides the image to the empty puzzle piece at the bottom of the touch screen.</p> <div data-bbox="1033 451 1556 1230"></div> <p data-bbox="701 1239 1885 1307">(Screenshot of locked Samsung Illusion incoming call screen, showing the incoming call unlock image)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
<p>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</p>	<p>The Samsung Illusion'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.</p> <p>For example, as the user touches and slides the puzzle piece unlock image on the locked home screen, the Samsung Illusion continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below.</p>  <p>(Screenshots showing the Samsung Illusion continuously moving the unlock image as a user slides it to the right to unlock the phone)</p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Illusion**

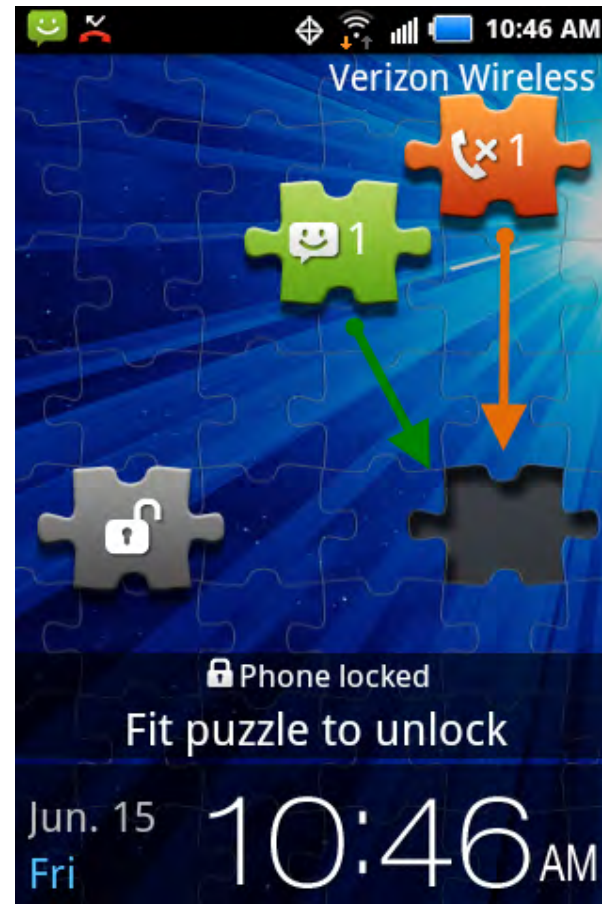
Further, the Samsung Illusion's unlock image is a graphical, interactive user-interface object, namely a gray puzzle piece containing the representation of an unlocked padlock, that the user touches and then slides across the touchscreen to unlock the phone.



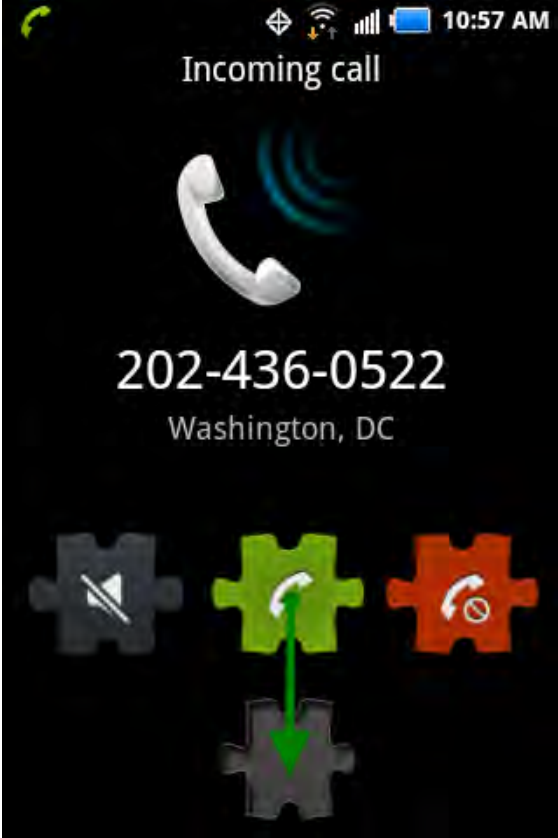
(Screenshot showing the unlock puzzle piece unlock image (highlighted in yellow) on the locked Samsung Illusion home screen)

**Claim 7<sup>1</sup>****Infringement by the Samsung Illusion**

As a second example, as the user touches and slides the puzzle piece messaging unlock image or missed call unlock image on the locked home screen, the Samsung Illusion continuously moves the unlock image while the user maintains contact with the screen. As shown below, these unlock images are graphical, interactive user-interface objects that the user touches and then slides to unlock the phone to either viewed a text message or view the missed call log.



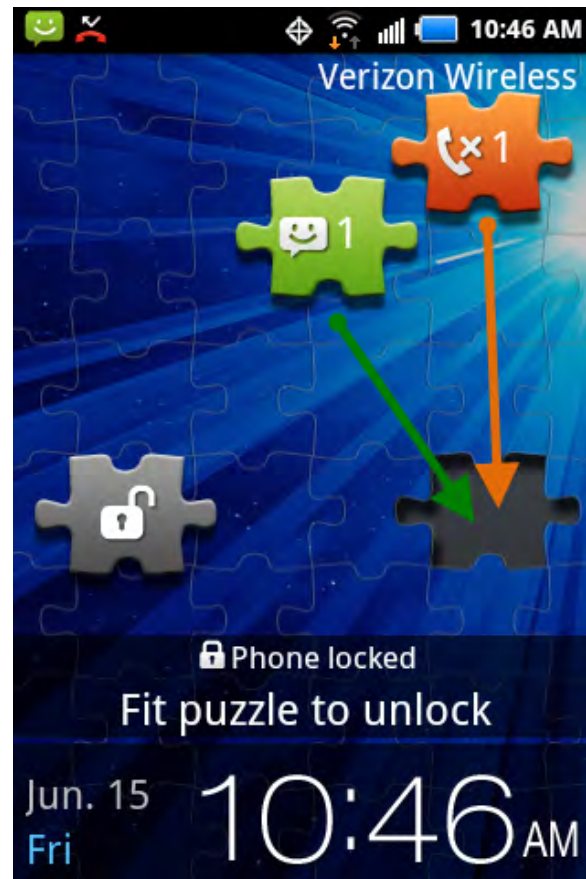


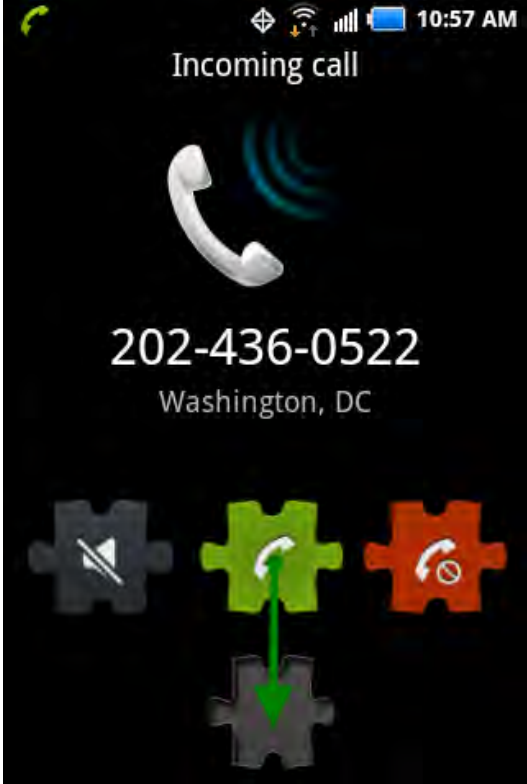
Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p data-bbox="678 237 1904 410">As a third example, as the user touches and slides the incoming call unlock image on the incoming call screen, the Samsung Illusion continuously moves the unlock image while the user maintains contact with the screen. As shown below, the incoming call unlock image graphical, interactive user-interface objects that the user touches and then slides to unlock the phone to answer the incoming call.</p> 

Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
<p>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.</p>	<p>The Samsung Illusion'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.</p> <p>For example, the Samsung Illusion unlocks when the user slides the puzzle piece unlock image from its original, predefined location at the left-side of the touch-sensitive display to the predefined unlock region on the right side of the display. The predefined unlock region is denoted by a representation of a missing puzzle piece, shown below. Once the user slides the puzzle piece unlock image into place, the phone unlocks and all applications are available to the user.</p> <div data-bbox="695 631 1892 1203" data-label="Image"> <p>The image consists of three sequential screenshots of a mobile phone's lock screen. The background is a blue puzzle theme with a bright sunburst effect. The top status bar shows 'Verizon Wireless' and the time '7:14 PM'. The bottom of the screen displays 'Phone locked' and 'Fit puzzle to unlock'. The date 'Jun. 11 Mon' and time '7:14 PM' are also visible. In the first screenshot, a puzzle piece with a lock icon is on the left, and a missing puzzle piece is on the right. In the second screenshot, the puzzle piece is sliding towards the right. In the third screenshot, the puzzle piece is fully in place, and the phone has unlocked, showing the home screen with application icons.</p> </div> <p>(Screenshots of the Samsung Illusion showing the unlock image sliding to the right as a user unlocks the phone)</p>

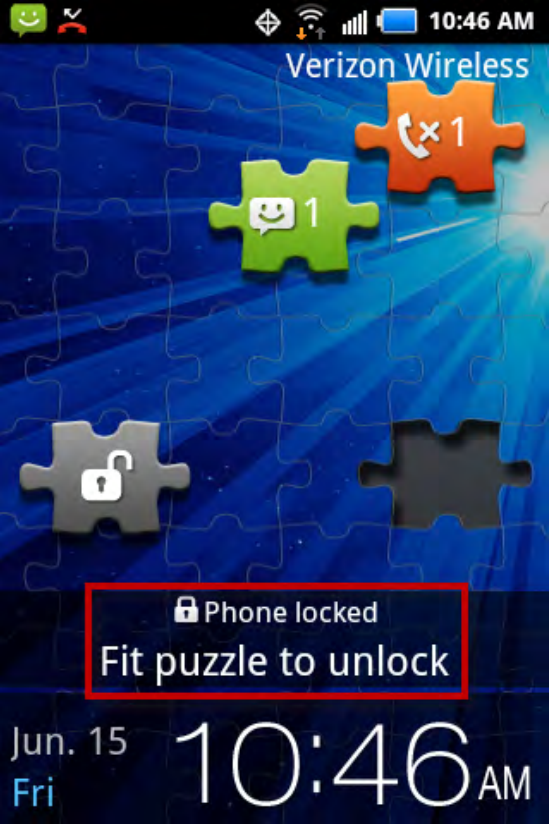
**Claim 7<sup>1</sup>****Infringement by the Samsung Illusion**

As a second example, the Samsung Illusion unlocks when the user slides either the puzzle piece missed call unlock image or the messaging unlock image from its original, predefined location at top of the touch-sensitive display to the predefined unlock region on the right middle of the display. The predefined unlock region is denoted by a representation of a missing puzzle piece, shown below. Once the user slides either the messaging unlock image or missed call unlock image into place, the phone unlocks and all applications are available to the user. Thus, the phone is in a user-interface unlock state.

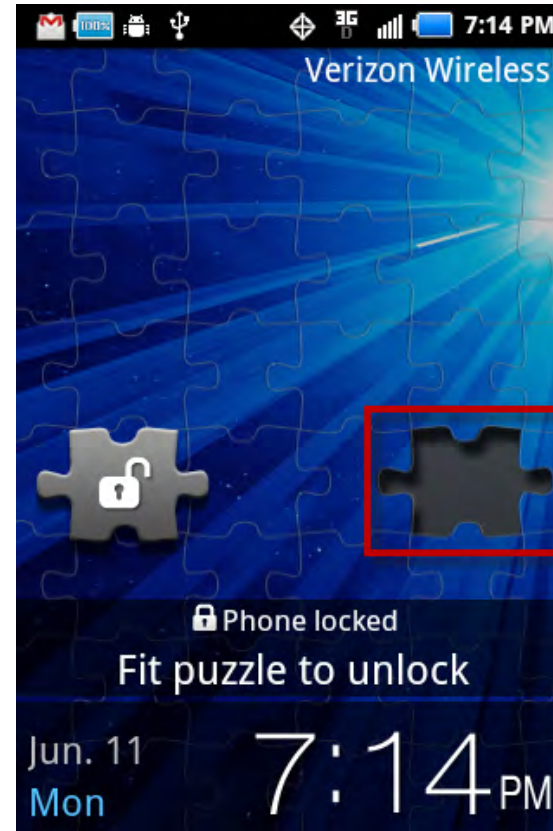


Claim 7 <sup>1</sup>	Infringement by the Samsung Illusion
	<p>As a third example, the Samsung Illusion unlocks when the user slides the incoming call unlock image from its original, predefined location at the middle center of the touch-sensitive display to the predefined unlock region on the bottom center of the display. The predefined unlock region is denoted by a representation of a missing puzzle piece, shown below. Once the user slides the unlock image into place, the phone unlocks and all applications are available to the user. Thus, the phone is in a user-interface unlock state.</p>  <p>The screenshot shows an incoming call interface on a Samsung phone. At the top, the status bar displays the time as 10:57 AM along with icons for location, Wi-Fi, and cellular signal. The main screen features the text "Incoming call" at the top, a white telephone handset icon in the center, and the phone number "202-436-0522" and location "Washington, DC" below it. At the bottom, there are four puzzle pieces: a grey piece on the left with a diagonal slash, a green piece in the center with a white telephone handset icon, a red piece on the right with a white telephone handset icon and a red prohibition sign, and a grey piece at the bottom with a white telephone handset icon. A green arrow points from the green puzzle piece down to the bottom grey puzzle piece, indicating the sliding motion required to unlock the phone.</p>



Claim 8	Infringement by the Samsung Illusion
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Illusion's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, the Samsung Illusion's locked home screen displays a message, "Phone locked: Fit puzzle to unlock," as shown in the screenshot below. This message is a visual cue directing the user to slide one of the various puzzle piece unlock images into the predefined unlock region to unlock the phone.</p>  <p>(Screenshot of locked Samsung Illusion with textual cue highlighted in red)</p>

As a second example, the Samsung Illusion's predefined unlock region is denoted by the representation of a missing puzzle piece. This missing puzzle piece is a visual cue directing the user's movement of the unlock image. The same is true of the missing puzzle piece on the incoming call screen.



(Screenshot of Samsung Illusion with predefined unlock region highlighted in red)

# **EXHIBIT F13**

# **STRATOSPHERE**

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


**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG STRATOSPHERE (SCH-I405)**

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Stratosphere is a portable electronic device. For example, the Samsung Stratosphere is an Android smartphone, which is available from Verizon, with a 4.0” Super AMOLED touch screen display. (See Samsung, Stratosphere Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-specs</a>). It weighs 5.8 oz. and measures 4.96” (L) x 2.54” (W) x 0.55” (D). (<i>Id.</i>). It has a 1GHz VIA CBP7.1 + CMC220 (LTE) processor. (<i>See id.</i>) Further, it equipped with a rechargeable Lithium ion (Li-ion) battery. (Samsung Stratosphere User Manual, at 7).</p> <div data-bbox="961 609 1633 1193" data-label="Image"> </div> <p>(Samsung, Stratosphere Gallery, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-gallery">http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-gallery</a>).</p>


<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Infringement by the Samsung Stratosphere
	<p>Further, it runs Android 2.3, Gingerbread.</p> <p><b>Android 2.3 Gingerbread</b></p> <p>Android™ 2.3, Gingerbread keeps everything running smoothly, and gives you access to over 250,000 Google Play™ apps. It's the perfect system to help organize your life while you're on the go, and stay entertained while you're going. You have multiple apps such as IM, Messaging, Calendar and many more at your fingertips to help you to stay connected and on schedule.</p>  <p>(Samsung Stratosphere Features, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-features">http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-features</a>).</p>
<p>a touch-sensitive display;</p>	<p>The Samsung Stratosphere comprises a touch-sensitive display.</p> <p>For example, Additionally, according to the Samsung Stratosphere’s User Guide, it has a touch screen that allows the user to navigate the device and that responds “to a light touch from the pad of your finger.” (Stratosphere User Manual, at 21). A user interacts with the Samsung Stratosphere through a variety of finger gestures, including, for example, touching items on the touchscreen to select or launch them, touching and holding screen items to activate them, or flicking and sliding “your finger vertically or horizontally across the screen.” (<i>Id.</i> at 22).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
	<p><b>Finger Gestures</b></p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on screen keyboard to enter characters or text.</li> <li>• Touch an item to select it.</li> <li>• Touch an application's icon to launch the application.</li> </ul> <p><b>Touch and Hold</b></p> <p>Activate onscreen items by a touch and hold gesture. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p><b>Flick or drag</b></p> <p>Flick or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"> <li>• <b>Unlocking the screen</b></li> <li>• Scrolling the Home screen or a menu</li> </ul> <p><b>Pinch</b></p> <p>Using two fingers, make a pinch motion on the screen. For example:</p> <ul style="list-style-type: none"> <li>• Pinch in to zoom in on pictures or screens.</li> <li>• Pinch out to zoom out on pictures or screens.</li> </ul> <p>(Stratosphere User Manual, at 22).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere						
	<p><b>Unlocking the phone</b></p> <p>Unlock the phone using one of the default unlock screens, or for increased security, use a personal screen lock PIN, password, or pattern.</p> <p>▶ Press the  Power/Lock Key, then touch and drag the puzzle piece to fit the empty space.</p> <p>(Stratosphere User Manual, at 15).</p> <p>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.”)).</p>						
memory;	<p>The Samsung Stratosphere comprises memory. For example, the Samsung Stratosphere has 4GB of internal memory and supports an external microSD card.</p> <table border="1" data-bbox="989 911 1612 1154"> <thead> <tr> <th colspan="2">Memory</th> </tr> </thead> <tbody> <tr> <td>Internal Memory</td> <td>4GB</td> </tr> <tr> <td>External Memory/microSD™ Capacity</td> <td>microSD™ card</td> </tr> </tbody> </table> <p>(Samsung Stratosphere Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-specs</a>).</p>	Memory		Internal Memory	4GB	External Memory/microSD™ Capacity	microSD™ card
Memory							
Internal Memory	4GB						
External Memory/microSD™ Capacity	microSD™ card						

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere		
<p>one or more processors;</p>	<p>The Samsung Stratosphere comprises one or more processors. For example, the Samsung Stratosphere has a 1GHz VIA CBP7.1 + CMC220 (LTE) processor. (<i>Id.</i>).</p> <div data-bbox="690 326 1677 477" style="border: 1px solid gray; padding: 5px;"> <p style="text-align: center; margin: 0;"><b>CPU / Processor</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; padding: 2px;"><b>Processor Speed, Type</b></td> <td style="padding: 2px;">VIA CBP7.1 + CMC220(LTE) + AP (S5PC111, 1GHz)</td> </tr> </table> </div> <p>(Samsung Stratosphere Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-I405LKAVZW-specs</a>).</p>	<b>Processor Speed, Type</b>	VIA CBP7.1 + CMC220(LTE) + AP (S5PC111, 1GHz)
<b>Processor Speed, Type</b>	VIA CBP7.1 + CMC220(LTE) + AP (S5PC111, 1GHz)		
<p>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:</p>	<p>The Samsung Stratosphere 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.</p> <p>The Samsung Stratosphere contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Stratosphere’s processor. This module allows the Samsung Stratosphere to detect contact with the touchscreen. The Samsung Stratosphere User Guide discloses some of those contacts that the contact/motion module detects, as shown below.</p> <div data-bbox="690 954 930 987" style="color: blue; font-weight: bold;"> <p><i>Finger Gestures</i></p> </div> <div data-bbox="690 1008 781 1040" style="color: blue; font-weight: bold;"> <p><b>Touch</b></p> </div> <p style="margin-left: 20px;">Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on screen keyboard to enter characters or text.</li> <li>• Touch an item to select it.</li> <li>• Touch an application’s icon to launch the application.</li> </ul>		



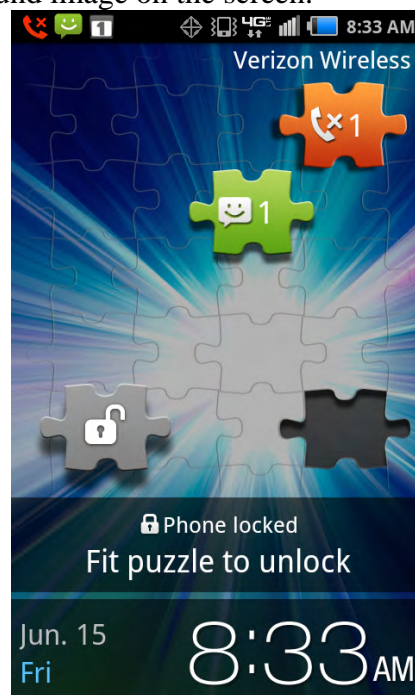
Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
	<p><b>Touch and Hold</b></p> <p>Activate onscreen items by a touch and hold gesture. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p><b>Flick or drag</b></p> <p>Flick or slide your finger vertically or horizontally across the screen. For example:</p> <ul style="list-style-type: none"> <li>• <b>Unlocking the screen</b></li> <li>• Scrolling the Home screen or a menu</li> </ul> <p><b>Pinch</b></p> <p>Using two fingers, make a pinch motion on the screen. For example:</p> <ul style="list-style-type: none"> <li>• Pinch in to zoom in on pictures or screens.</li> <li>• Pinch out to zoom out on pictures or screens.</li> </ul> <p>(Stratosphere User Manual, at 22).</p> <p><b>Unlocking the phone</b></p> <p>Unlock the phone using one of the default unlock screens, or for increased security, use a personal screen lock PIN, password, or pattern.</p> <p>▶ Press the  <b>Power/Lock Key</b>, then touch and drag the puzzle piece to fit the empty space.</p> <p>(Stratosphere User Manual, at 15).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Stratosphere'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.</p> <p>For example, when the Stratosphere's home screen is locked, it contains 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 gray puzzle piece containing the representation of an unlocked padlock.</p> <div data-bbox="1060 467 1528 1242" data-label="Image"> </div> <p>(Screenshot of the locked home screen for the Stratosphere, displaying the unlock image at a predefined location on the left side of the touchscreen display)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
	<p>The Samsung Stratosphere detects contact with this unlock image as a user touches and then slides the image to the right to unlock the phone. In addition to the unlock image, a predefined unlock region appears on the locked home screen. As is shown in the screenshot above, this predefined unlock region is a representation of a missing puzzle piece. As is shown below, when the Samsung Stratosphere detects contact with the unlock image, the region representing the missing puzzle piece changes from gray to multi-colored, reflecting the background image on the screen. Further, it is outlined in white.</p> <div data-bbox="1083 521 1503 1224" data-label="Image"> <p>The screenshot shows the locked home screen of a Samsung Stratosphere. At the top, the status bar displays 'Verizon Wireless' and the time '7:19 PM'. The background is a blue and white abstract pattern. In the center, there is a large puzzle piece graphic. The puzzle piece is mostly gray, but the area where it would connect to the rest of the puzzle is multi-colored (blue, green, yellow, red) and outlined in white. Below the puzzle piece, the text reads 'Phone locked' and 'Fit puzzle to unlock'. At the bottom, the date 'Jun. 12 Tue' and the time '7:19 PM' are displayed.</p> </div> <p>(Screenshots of the Samsung Stratosphere detecting a contact with the unlock image on the locked home screen)</p>

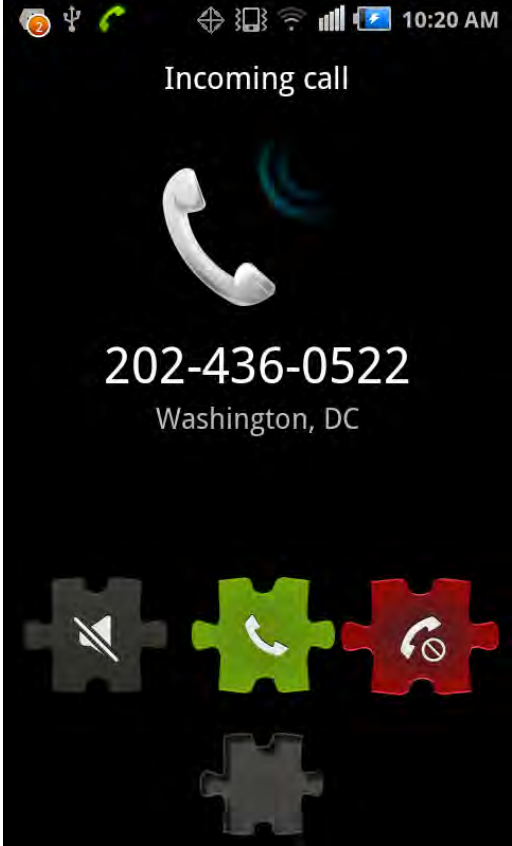
**Claim 7<sup>1</sup>****Infringement by the Samsung Stratosphere**

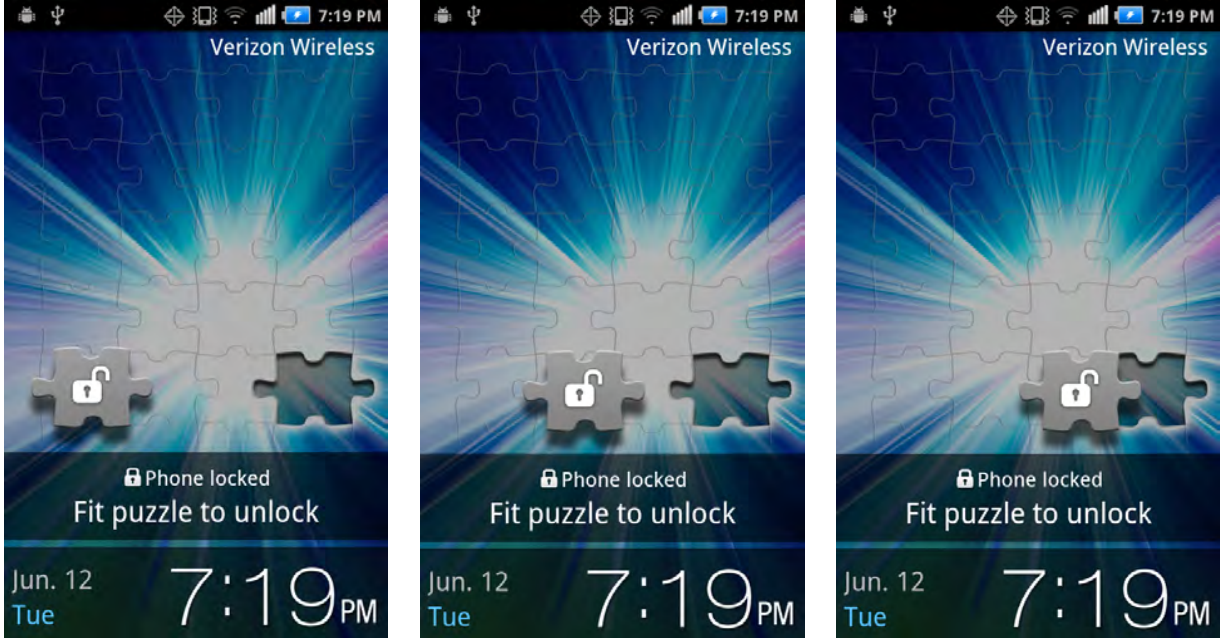
Additionally, when the Samsung Stratosphere is locked and the user receives a text message or misses a call, the Samsung Stratosphere displays messaging and missed call unlock images, respectively. The messaging unlock image is a green puzzle piece containing a representation of the messaging application while the missed call unlock image is an orange puzzle piece containing a representation of a phone. The Samsung Stratosphere detects contact with these unlock image as a user touches and then slides the images to the empty space. Just as with the general unlock image, when the Samsung Stratosphere detects contact with these unlock images, the unlock region representing the missing puzzle piece changes from gray to multi-colored, reflecting the background image on the screen.



(Screenshot of the locked Samsung Stratosphere home screen showing the orange missed call unlock image and the green messaging unlock image)

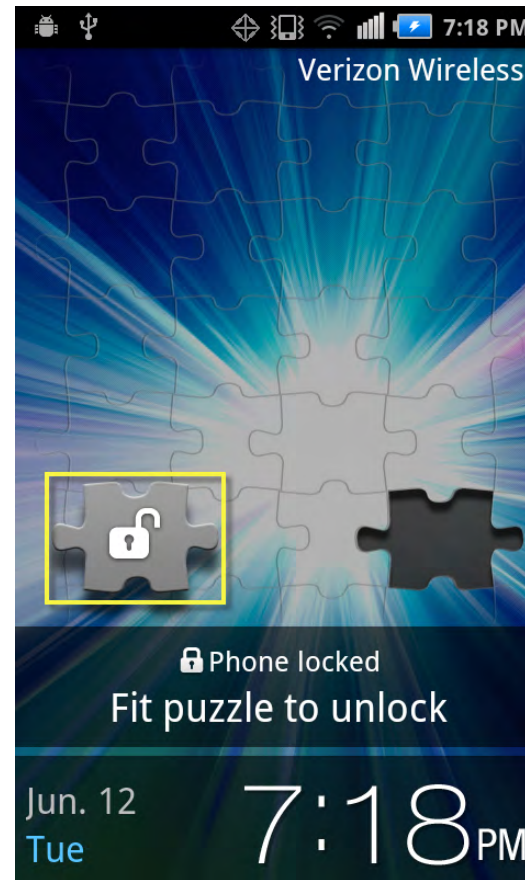


Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
	<p>As a third example, when the locked Samsung Stratosphere receives an incoming call, it displays an incoming call unlock image on the incoming call screen. This unlock image is a green puzzle piece containing the representation of a phone, as shown below. The Samsung Stratosphere detects contact with this unlock image as the user touches and then slides the image to the empty puzzle piece at the bottom of the touch screen</p> <p>.</p>  <p>(Screenshot of locked Samsung Stratosphere incoming call screen, showing the incoming call unlock image)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
<p>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</p>	<p>The Samsung Stratosphere'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.</p> <p>For example, as the user touches and slides the puzzle piece unlock image on the locked home screen, the Samsung Stratosphere continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below.</p>  <p>(Screenshots showing the Samsung Stratosphere continuously moving the unlock image as a user slides it to the right to unlock the phone)</p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Stratosphere**

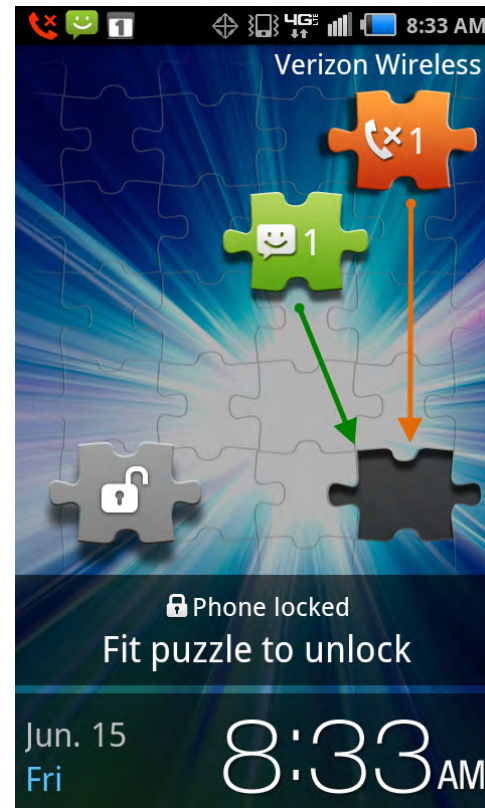
Further, the Samsung Stratosphere's unlock image is a graphical, interactive user-interface object, namely a gray puzzle piece containing the representation of an unlocked padlock, that the user touches and then slides across the touchscreen to unlock the phone.



(Screenshot showing the unlock puzzle piece unlock image (highlighted in yellow) on the locked Samsung Stratosphere home screen)

**Claim 7<sup>1</sup>****Infringement by the Samsung Stratosphere**

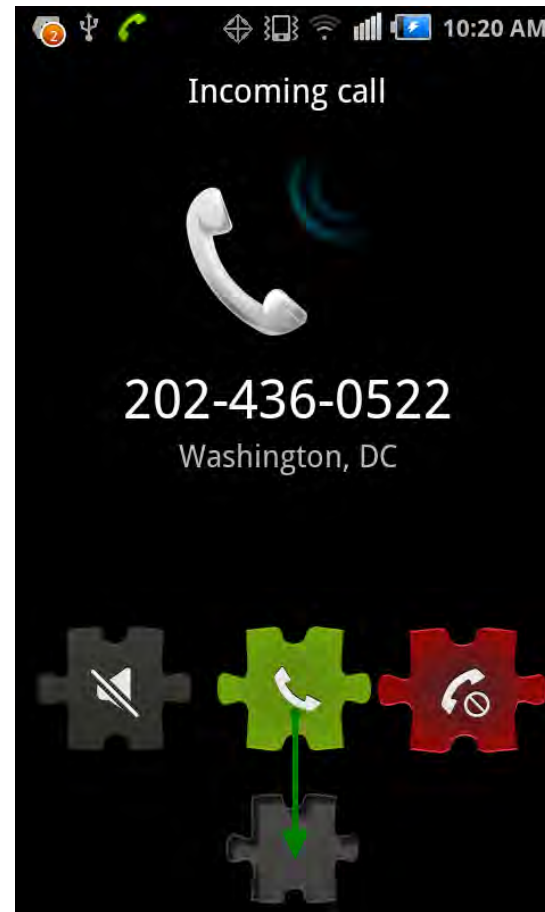
As a second example, as the user touches and slides the puzzle piece messaging unlock image or missed call unlock image on the locked home screen, the Samsung Stratosphere continuously moves the unlock image while the user maintains contact with the screen. As shown below, these unlock images are graphical, interactive user-interface objects that the user touches and then slides to unlock the phone to either viewed a text message or view the missed call log.





**Claim 7'****Infringement by the Samsung Stratosphere**

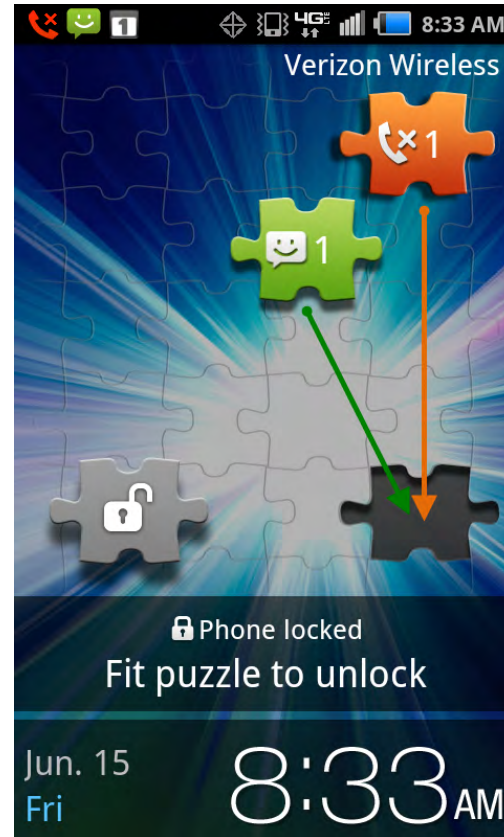
As a third example, as the user touches and slides the incoming call unlock image on the incoming call screen, the Samsung Stratosphere continuously moves the unlock image while the user maintains contact with the screen. As shown below, the incoming call unlock image graphical, interactive user-interface objects that the user touches and then slides to unlock the phone to answer the incoming call.

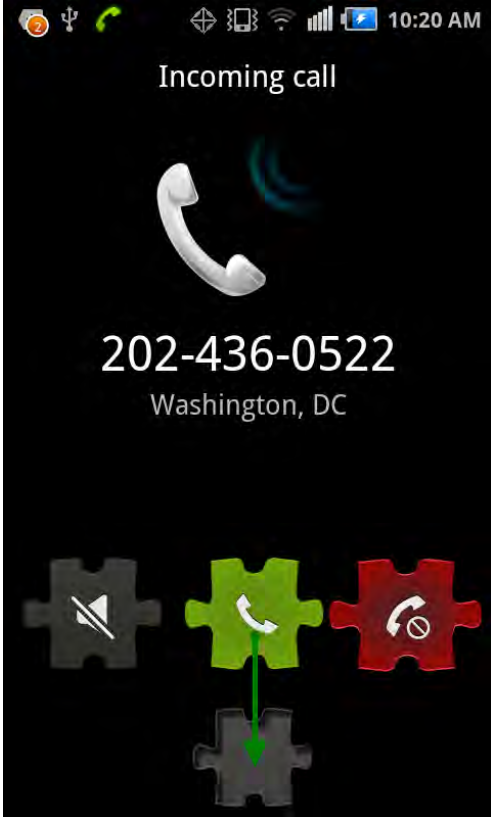


Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
<p>to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.</p>	<p>The Samsung Stratosphere’s one or more modules 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.</p> <p>For example, the Samsung Stratosphere unlocks when the user slides the puzzle piece unlock image from its original, predefined location at the left-side of the touch-sensitive display to the predefined unlock region on the right side of the display. The predefined unlock region is denoted by a representation of a missing puzzle piece, shown below. Once the user slides the puzzle piece unlock image into place, the phone unlocks and all applications are available to the user.</p> <div data-bbox="680 634 1906 1284" style="text-align: center;"> </div> <p>(Screenshots of the Samsung Stratosphere showing the unlock image sliding to the right as a user unlocks the phone)</p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Stratosphere**

As a second example, the Samsung Stratosphere unlocks when the user slides either the puzzle piece missed call unlock image or the messaging unlock image from its original, predefined location at top of the touch-sensitive display to the predefined unlock region on the right middle of the display. The predefined unlock region is denoted by a representation of a missing puzzle piece, shown below. Once the user slides either the messaging unlock image or missed call unlock image into place, the phone unlocks and all applications are available to the user. Thus, the phone is in a user-interface unlock state.

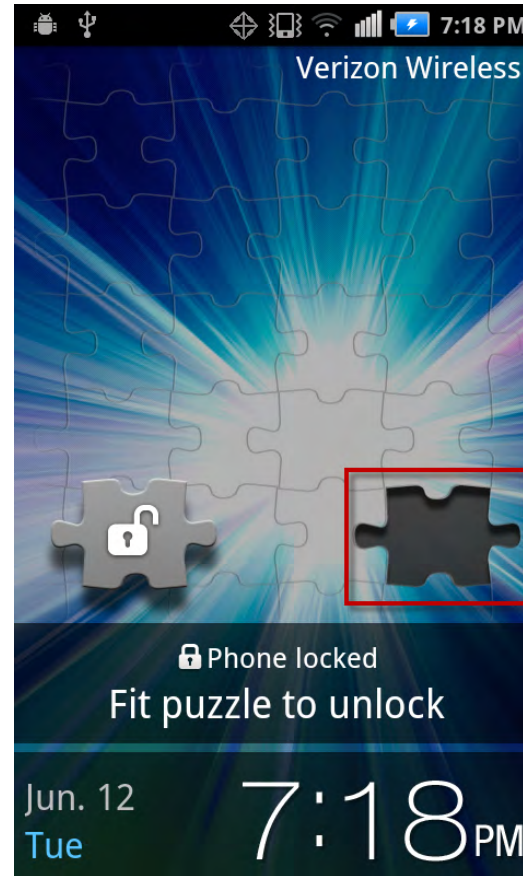


Claim 7 <sup>1</sup>	Infringement by the Samsung Stratosphere
	<p>As a third example, the Samsung Stratosphere unlocks when the user slides the incoming call unlock image from its original, predefined location at the middle center of the touch-sensitive display to the predefined unlock region on the bottom center of the display. The predefined unlock region is denoted by a representation of a missing puzzle piece, shown below. Once the user slides the unlock image into place, the phone unlocks and all applications are available to the user. Thus, the phone is in a user-interface unlock state.</p>  <p>The image shows a screenshot of an incoming call notification on a Samsung Stratosphere. At the top, the status bar displays various icons and the time 10:20 AM. Below the status bar, the text "Incoming call" is centered. A white telephone handset icon is positioned in the center. Below the handset, the phone number "202-436-0522" and the location "Washington, DC" are displayed. At the bottom of the screen, there are four puzzle pieces arranged in a row. From left to right: a grey piece with a white diagonal slash, a green piece with a white telephone handset icon, a red piece with a white telephone handset icon and a white circle with a slash, and a grey piece with a white telephone handset icon. A green arrow points from the green puzzle piece down to the bottom center of the screen, indicating the predefined unlock region.</p>



Claim 8	Infringement by the Samsung Stratosphere
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Stratosphere's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, the Samsung Stratosphere's locked home screen displays a message, "Phone locked: Fit puzzle to unlock," as shown in the screenshot below. This message is a visual cue directing the user to slide one of the various puzzle piece unlock images into the predefined unlock region to unlock the phone.</p> <div data-bbox="1052 451 1535 1252" data-label="Image"> </div> <p>(Screenshot of locked Samsung Stratosphere with textual cue highlighted in red)</p>

As a second example, the Samsung Stratosphere's predefined unlock region is denoted by the representation of a missing puzzle piece. This missing puzzle piece is a visual cue directing the user's movement of the unlock image. The same is true of the missing puzzle piece on the incoming call screen.



(Screenshot of Samsung Stratosphere with predefined unlock region highlighted in red)

# **EXHIBIT F14**

## **TRANSFORM ULTRA**

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

**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG TRANSFORM ULTRA (SPH-M930)**


Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Transform Ultra is a portable electronic device. Specifically, the Samsung Transform Ultra is an Android smartphone, which is available from Sprint, with a 3.5'' HVGA TFT touch screen display. (See Samsung, Transform Ultra Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR-specs">http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR-specs</a>). It weighs 4.9 oz. and measures 4.57'' (L) x 2.40'' (W) x 0.55'' (D). (<i>Id.</i>). The Samsung Transform Ultra is powered by a rechargeable Lithium ion battery. (Samsung Transform Ultra User Guide, at 13). Further, the Transform Ultra is equipped with the Android 2.3, Gingerbread, operating system. (Samsung Transform Ultra Overview, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR">http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR</a>).</p> <div data-bbox="982 646 1600 1193" data-label="Image"> </div> <p>(Samsung, Transform Ultra Gallery, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR-gallery">http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR-gallery</a>).</p>


<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Infringement by the Samsung Transform Ultra
<p>a touch-sensitive display;</p>	<p>The Samsung Transform Ultra comprises a touch-sensitive display.</p> <p>For example, according to the Samsung Transform Ultra’s User Guide, the “device’s touchscreen lets you control actions through a variety of touch gestures.” (Samsung Transform Ultra User Guide, at 22 (2011)). A user interacts with the Samsung Transform Ultra’s applications by, for example, tapping items on the touchscreen to select or launch them, touching and holding screen items to open them, or swiping/sliding, meaning quickly dragging a finger vertically or horizontally across the screen. (<i>Id.</i> at 22-23).</p> <p><i>Touchscreen Navigation</i></p> <p>Your device’s touchscreen lets you control actions through a variety of touch gestures.</p> <p><i>Tap</i></p> <p>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.</p> <p><i>Touch and Hold</i></p> <p>To open the available options for an item (for example, a contact or link in a Web page), touch and hold the item.</p> <p><i>Swipe or Slide</i></p> <p>To swipe or slide means to quickly drag your finger vertically or horizontally across the screen.</p>



Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
	<p><i>Drag</i></p> <p>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.</p> <p><i>Flick</i></p> <p>Flicking the screen is similar to swiping, except that you need to swipe your finger in light, quick strokes. This finger gesture is always in a vertical direction, such as when flicking the contacts or message list.</p> <p>(<i>Id.</i>).</p> <p>To unlock the screen, a user slides an unlock icon to a predefined unlock region on the right side of the touch screen display, as shown in the excerpt from the Transform Ultra User Manual below.</p> <p><i>Turn the Screen On and Unlock It</i></p> <ol style="list-style-type: none"> <li>1. To turn the screen on, press the <b>Power</b> button.</li> <li>2. Drag  to the right to unlock the screen.</li> </ol> <p>(<i>Id.</i> at 22).</p> <p>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.”)).</p>

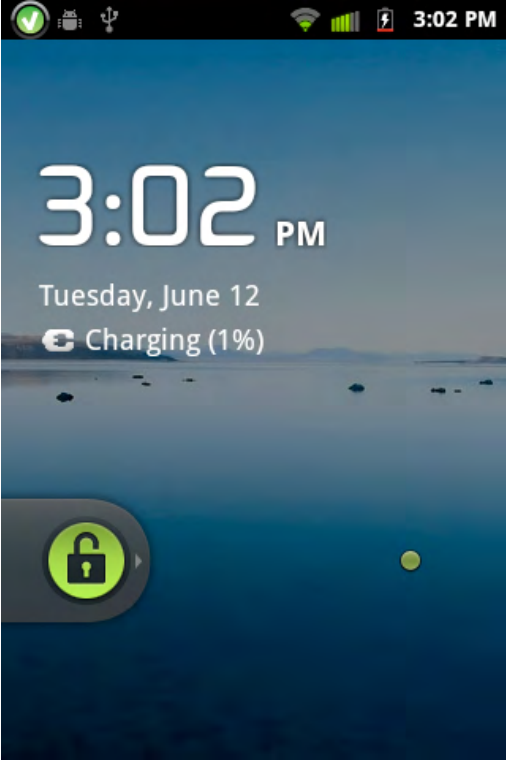
Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
memory;	<p>The Samsung Transform Ultra comprises memory.</p> <p>Specifically, the Samsung Transform Ultra has internal memory, as shown in the screenshot below, and is compatible with an SD card.</p>  <p>The screenshot displays the 'Storage settings' menu on a Samsung Transform Ultra. It is divided into two main sections: 'SD card' and 'Internal phone storage'. Under 'SD card', it shows 'Total space' as 1.86GB and 'Available space' as 1.86GB. Below this are options for 'Unmount SD card' (with a subtext: 'Unmount the SD card so you can safely remove it') and 'Erase SD card' (with a subtext: 'Erases all data on the phone's SD card; such as music and photos'). The 'Internal phone storage' section shows 'Available space' as 0.91GB.</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
<p>one or more processors;</p>	<p>The Samsung Transform Ultra comprises one or more processors.</p> <p>For example, the Samsung Transform Ultra features a 1 GHz Snapdragon processor, as shown below. (<i>Id.</i>)</p> <p style="text-align: center;"><b>Process information with the speed of a Snapdragon.</b></p> <p style="text-align: center;">The Transform™ Ultra gives you a 1GHz Snapdragon processor. You'll have faster response time, smoother streaming and less buffering. Now when you're watching a movie, it keeps moving.</p> <p>(Samsung, Transform Ultra Overview, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR">http://www.samsung.com/us/mobile/cell-phones/SPH-M930ZKASPR</a>).</p>
<p>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:</p>	<p>The Samsung Transform Ultra 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.</p> <p>The Samsung Transform Ultra contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Transform Ultra's processor. This module allows the Samsung Transform Ultra to detect contact with the touchscreen. The Samsung Transform Ultra User Guide discloses some of those contacts that the contact/motion module detects, as shown below.</p> <p style="text-align: center;"><i>Touchscreen Navigation</i></p> <p style="text-align: center;">Your device's touchscreen lets you control actions through a variety of touch gestures.</p> <p style="text-align: center;"><i>Tap</i></p> <p style="text-align: center;">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.</p>

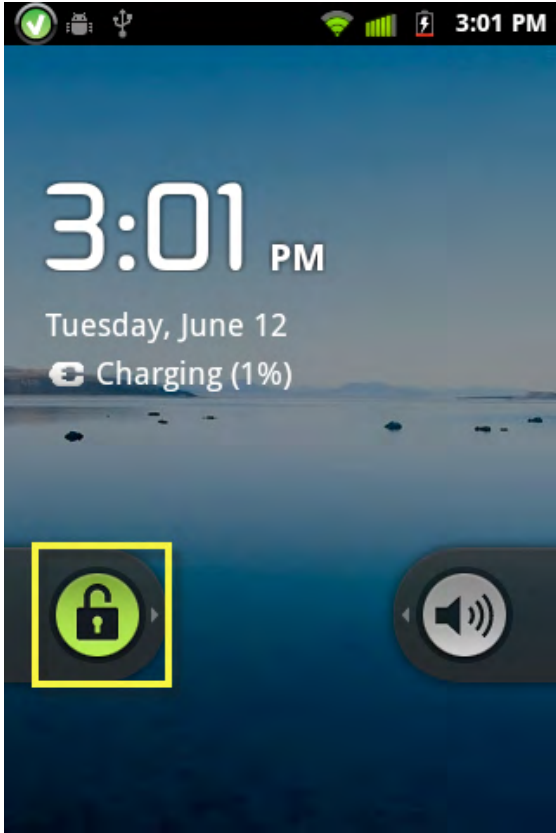
Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
	<p><i>Touch and Hold</i></p> <p>To open the available options for an item (for example, a contact or link in a Web page), touch and hold the item.</p> <p><i>Swipe or Slide</i></p> <p>To swipe or slide means to quickly drag your finger vertically or horizontally across the screen.</p> <p><i>Drag</i></p> <p>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.</p> <p><i>Flick</i></p> <p>Flicking the screen is similar to swiping, except that you need to swipe your finger in light, quick strokes. This finger gesture is always in a vertical direction, such as when flicking the contacts or message list.</p> <p>(<i>Id.</i>).</p> <p>To unlock the screen, a user slides an unlock icon to a predefined unlock region on the right side of the touch screen display, as shown in the excerpt from the Transform Ultra User Manual below.</p> <p><i>Turn the Screen On and Unlock It</i></p> <ol style="list-style-type: none"> <li>1. To turn the screen on, press the <b>Power</b> button.</li> <li>2. Drag  to the right to unlock the screen.</li> </ol> <p>(<i>Id.</i> at 22).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Transform Ultra'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.</p> <p>For example, the Samsung Transform Ultra includes instructions to, when the Transform Ultra'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.</p> <div data-bbox="1062 521 1512 1195" data-label="Image"> </div> <p>(Screenshot of the locked home screen for the Samsung Transform Ultra, displaying the unlock image at a predefined location on the left side of the touchscreen display)</p>



Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
	<p>Further, the Samsung Transform Ultra 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 Transform Ultra 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.</p>  <p>(Screenshots of the Samsung Transform Ultra detecting a contact with the unlock image on the locked home screen)</p>

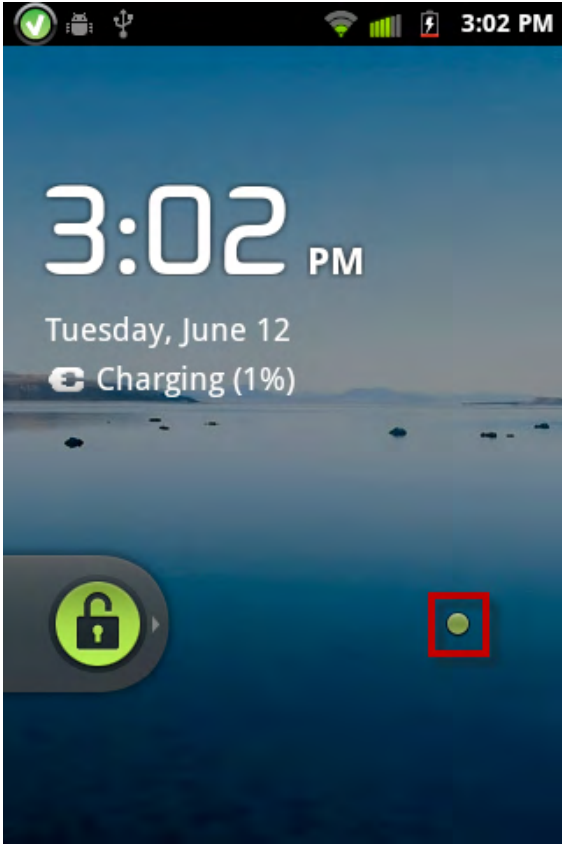
Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
<p>to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and</p>	<p>The Samsung Transform Ultra'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.</p> <p>For example, the Samsung Transform Ultra includes instructions that, as the user touches and slides the unlock image on the locked home screen, cause the Samsung Transform Ultra to continuously move the unlock image from left to right while the user maintains contact with the screen, as shown below.</p> <div data-bbox="701 634 1885 1203" data-label="Image"> </div> <p>(Screenshots showing the Samsung Transform Ultra continuously moving the unlock image as a user slides it to the right to unlock the phone)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
	<p>Moreover, the Samsung Transform Ultra'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.</p>  <p>The screenshot shows the home screen of a Samsung Transform Ultra. At the top, the status bar displays various icons and the time 3:01 PM. The main display area shows the time 3:01 PM, the date Tuesday, June 12, and a charging indicator showing 1% battery. At the bottom, there is a dock with two icons: a padlock icon on a green background (highlighted in yellow) and a speaker icon. The background of the screen is a blue and white landscape image.</p> <p>(Screenshot showing the unlock image (highlighted in yellow) on the locked Samsung Transform Ultra home screen)</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Transform Ultra
<p>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.</p>	<p>The Samsung Transform Ultra'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.</p> <p>For example, the Samsung Transform Ultra'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.</p> <div data-bbox="699 634 1892 1203" data-label="Image"> </div> <p>(Screenshots of the Samsung Transform Ultra showing the unlock image sliding to the right as a user unlocks the phone)</p>

Claim 8	Infringement by the Samsung Transform Ultra
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Transform Ultra's one or more modules further comprise instructions to display visual cues to communicate a direction of movement. For example, the Samsung Transform Ultra'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.</p> <div data-bbox="1037 451 1551 1222" data-label="Image"> <p>The image is a screenshot of a smartphone's lock screen. At the top, there is a status bar with various icons including a green checkmark, signal strength, Wi-Fi, and battery level, along with the time '3:01 PM'. Below the status bar, the time '3:01 PM' is displayed in large white digits, followed by the date 'Tuesday, June 12' and 'Charging (1%)'. The background is a blue-tinted landscape with water and mountains. At the bottom, there are two circular icons: a green lock icon with a yellow arrow pointing to the right, and a speaker icon. The yellow arrow is circled in yellow.</p> </div> <p>(Screenshot of the Samsung Transform Ultra unlock image with the arrow circled in yellow)</p>



Claim 8	Infringement by the Samsung Transform Ultra
	<p>Moreover, when the Samsung Transform Ultra 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.</p>  <p>(Screenshot of the Samsung Transform Ultra as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement (highlighted in red))</p>

# **EXHIBIT F1**

## **ADMIRE**

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

**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG ADMIRE (SCH-R720)**

Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Admire is a portable electronic device. Specifically, the Samsung Admire, which is available from MetroPCS, is an Android smartphone with a 3.5” HVGA TFT touch screen display. (See Samsung, Admire Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-specs</a>). It weighs 4.14 oz. and measures 4.56” (L) x 2.38” (W) x 0.46” (D). (<i>Id.</i>). It has an 800 MHz processor. (<i>Id.</i>). Further, the Samsung Admire is “powered by a rechargeable, standard Li-Ion battery.” (Samsung Admire User Guide, at 5).</p> <div data-bbox="1003 570 1577 1060" data-label="Image"> </div> <p>(Samsung, Admire Gallery, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-gallery">http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-gallery</a>).</p>

<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Infringement by the Samsung Admire
<p>a touch-sensitive display;</p>	<p>The Samsung Admire comprises a touch-sensitive display. Specifically, according to the Samsung Admire’s User Manual, it has a touch screen that allows the user to navigate the device. (Admire User Manual, at 18). A user interacts with the Samsung Admire’s applications by, for example, touching 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.” (<i>Id.</i> at 19).</p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on screen keyboard to enter characters or text.</li> <li>• Touch a menu item to select it.</li> <li>• Touch an application's icon to launch the application.</li> </ul> <p><b>Touch and Hold</b></p> <p>Activate on-screen items by a touch and hold gesture. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p><b>Sweep</b></p> <p>To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:</p> <ul style="list-style-type: none"> <li>• Unlocking the screen</li> <li>• Scrolling the Home screen or a menu</li> </ul> <p>(<i>Id.</i>).</p> <p>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.”)).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Admire						
memory;	<p>The Samsung Admire comprises memory.</p> <p>Specifically, the Samsung Admire has 196MB of internal memory and supports an external microSD card. (Samsung, Admire Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-specs</a>).</p> <table border="1" data-bbox="684 456 1325 699"> <thead> <tr> <th colspan="2">Memory</th> </tr> </thead> <tbody> <tr> <td>Internal Memory</td> <td>196MB</td> </tr> <tr> <td>External Memory/microSD™ Capacity</td> <td>microSD™ card</td> </tr> </tbody> </table> <p>(<i>Id.</i>).</p>	Memory		Internal Memory	196MB	External Memory/microSD™ Capacity	microSD™ card
Memory							
Internal Memory	196MB						
External Memory/microSD™ Capacity	microSD™ card						
one or more processors;	<p>The Samsung Admire comprises one or more processors.</p> <p>Specifically, the Samsung Admire has an 800 MHz processor. (<i>Id.</i>).</p> <table border="1" data-bbox="688 964 1276 1117"> <thead> <tr> <th colspan="2">CPU / Processor</th> </tr> </thead> <tbody> <tr> <td>Processor Speed, Type</td> <td>800MHz</td> </tr> </tbody> </table> <p>(Samsung, Admire Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-specs">http://www.samsung.com/us/mobile/cell-phones/SCH-R720ZAAMTR-specs</a>).</p>	CPU / Processor		Processor Speed, Type	800MHz		
CPU / Processor							
Processor Speed, Type	800MHz						
one or more modules stored in the	The Samsung Admire comprises one or more modules stored in the memory and configured for						



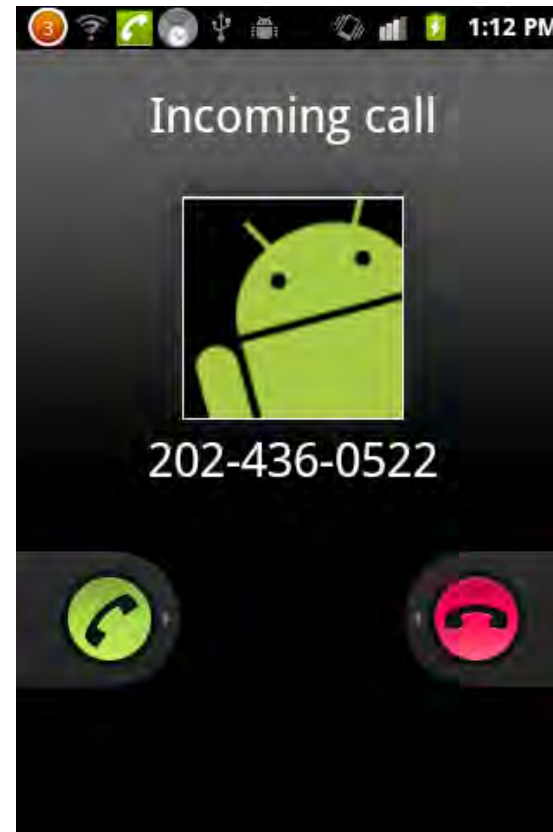
Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
<p>memory and configured for execution by the one or more processors, the one or more modules including instructions:</p>	<p>execution by the one or more processors, the one or more modules including instructions.</p> <p>The Samsung Admire contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Admire's processor. This module allows the Samsung Admire to detect contact with the touchscreen. The Samsung Admire User Guide discloses some of those contacts that the contact/motion module detects, as shown below.</p> <p><b>Touch</b></p> <p>Touch items to select or launch them. For example:</p> <ul style="list-style-type: none"> <li>• Touch the on screen keyboard to enter characters or text.</li> <li>• Touch a menu item to select it.</li> <li>• Touch an application's icon to launch the application.</li> </ul> <p><b>Touch and Hold</b></p> <p>Activate on-screen items by a touch and hold gesture. For example:</p> <ul style="list-style-type: none"> <li>• Touch and hold a widget on the home screen to move it.</li> <li>• Touch and hold on a field to display a pop-up menu of options.</li> </ul> <p><b>Sweep</b></p> <p>To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:</p> <ul style="list-style-type: none"> <li>• Unlocking the screen</li> <li>• Scrolling the Home screen or a menu</li> </ul> <p>(Samsung Admire User Manual, at 19).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Admire'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.</p> <p>Specifically, the Samsung Admire includes instructions to, when the Admire'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.</p> <div data-bbox="1066 521 1518 1195" data-label="Image"> </div> <p>(Screenshot of the locked home screen for the Samsung Admire, displaying the unlock image at a predefined location on the left side of the touchscreen display)</p>

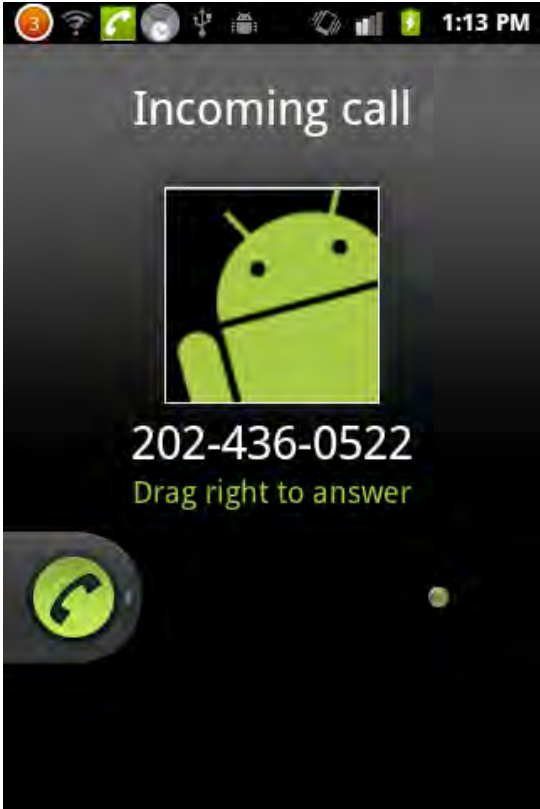
Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
	<p>Further, the Samsung Admire includes instructions to detect contact with this unlock image as a user touches and then slides the image to the right to unlock the phone. As is shown below, when the Admire detects contact with the unlock image, 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.</p> <div data-bbox="1031 448 1560 1243" data-label="Image">A screenshot of a Samsung Admire phone's locked home screen. The background is a dark blue night sky with stars and a horizon line. At the top, the status bar shows various icons and the time 7:21 PM. Below the status bar, the text 'MetroPCS' is visible. The large digital clock shows '7:21 PM' in white. Below the clock, it says 'Monday, June 4' and 'Charging (98%)'. At the bottom left, there is a circular lock icon with a white padlock on a dark background. To the right of the lock icon, there is a small, solid green circle. The overall appearance is that of a standard Android-style lock screen.</div> <p>(Screenshots of the Samsung Admire detecting a contact with the unlock image on the locked home screen)</p> <p>As a second example, when the locked Samsung Admire receives a call, it displays the caller's</p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Admire**

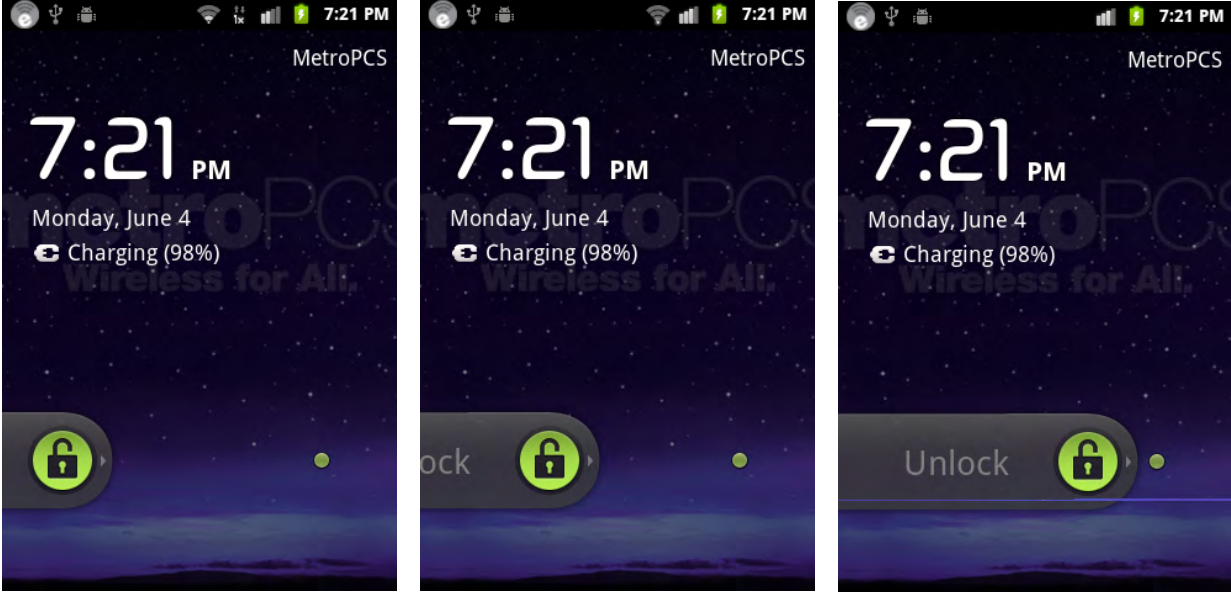
phone number and an unlock image on an incoming call screen, as shown below. The unlock image, which is a green icon containing the representation of a phone, appears at a predefined location at the left side of the Admire's touchscreen, as shown below

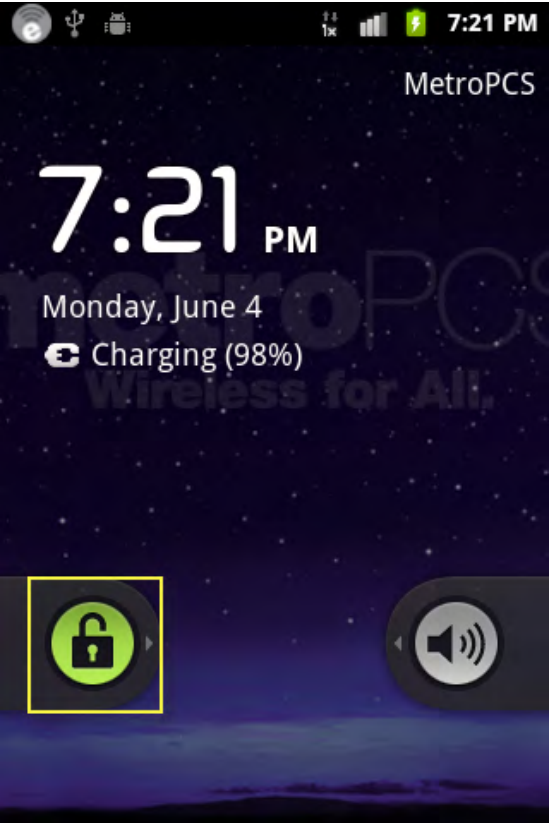


**(Screenshot of incoming call screen for locked Samsung Admire)**

Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
	<p>The Samsung Admire 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 Admire 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.</p>  <p>(Screenshot showing the Samsung Admire detecting contact with the incoming call unlock image)</p>

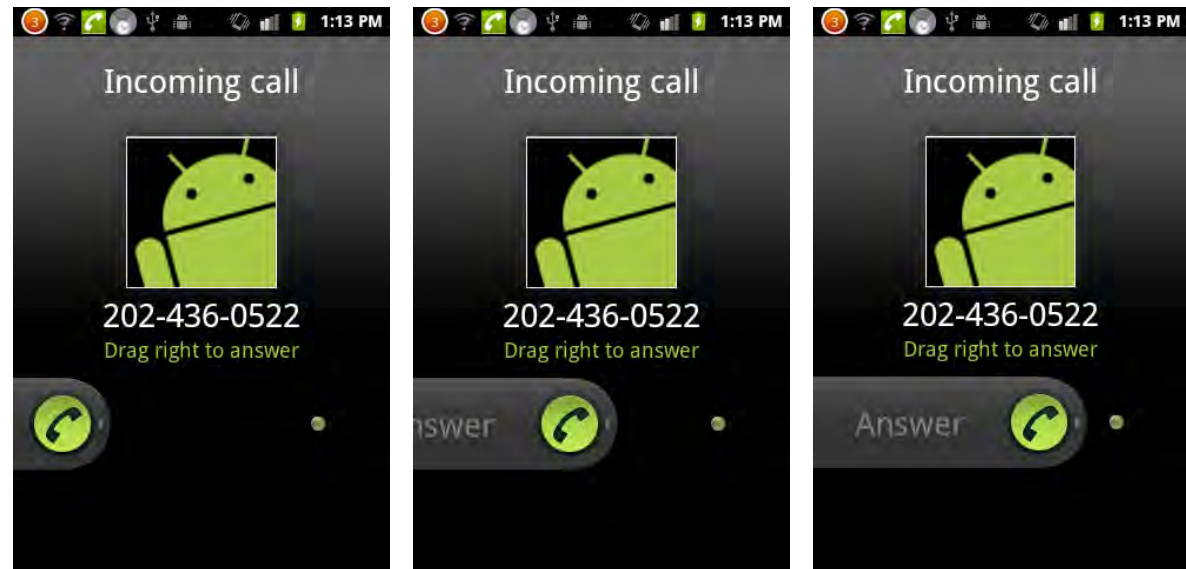


Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
<p>to continuously move the unlock image on the touch-sensitive display in accordance with movement of the detected contact while continuous contact with the touch-sensitive display is maintained, wherein the unlock image is a graphical, interactive user-interface object with which a user interacts in order to unlock the device; and</p>	<p>The Samsung Admire’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.</p> <p>Specifically, the Samsung Admire includes instructions that, as the user touches and slides the unlock image on the locked home screen, cause the Samsung Admire to continuously move the unlock image from left to right while the user maintains contact with the screen, as shown below.</p>  <p>(Screenshots showing the Samsung Admire continuously moving the unlock image as a user slides it to the right to unlock the phone)</p>

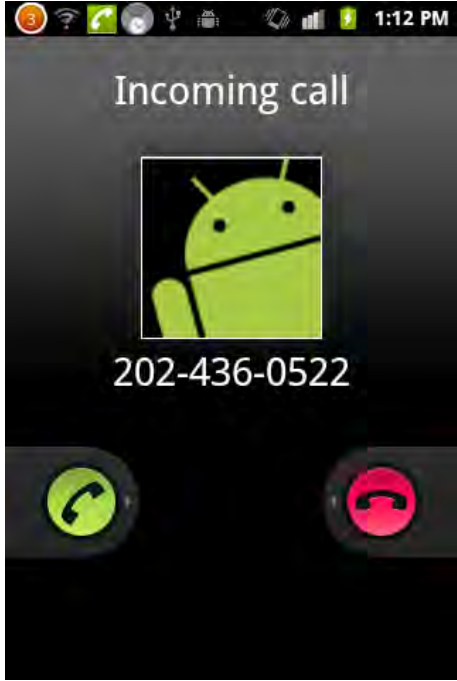
Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
	<p>Moreover, the Samsung Admire's unlock image is a graphical, interactive user-interface object, namely a padlock icon on a green background with a circle around it, that the user touches and then slides across the touchscreen to unlock the phone, as shown below.</p>  <p>The screenshot shows the home screen of a Samsung Admire phone. At the top, there is a status bar with icons for signal strength, battery, and time (7:21 PM). Below the status bar, the text 'MetroPCS' is visible. The main display area shows the time '7:21 PM' in large white digits, followed by the date 'Monday, June 4' and the battery status 'Charging (98%)'. At the bottom of the screen, there is a dock with two icons: a green padlock icon on the left and a speaker icon on the right. The padlock icon is highlighted with a yellow square.</p> <p>(Screenshot showing the unlock image (highlighted in yellow) on the locked Samsung Admire home screen)</p>

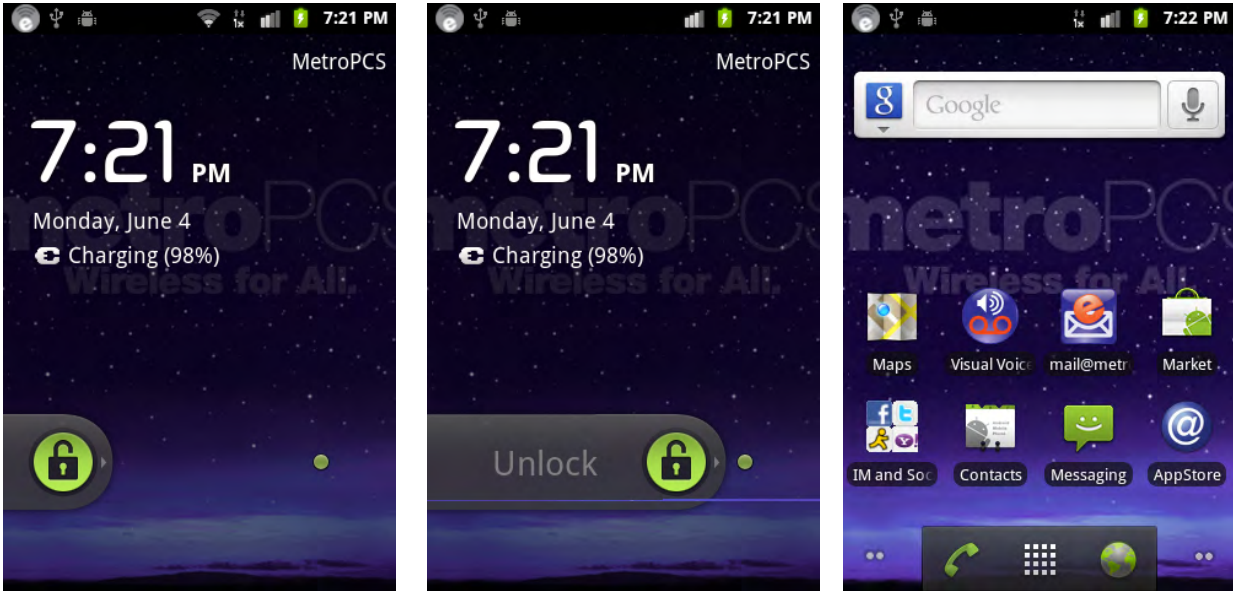
**Claim 7<sup>1</sup>****Infringement by the Samsung Admire**

As a second example, as the user touches and slides the green unlock image on the incoming call screen, the Samsung Admire 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 <sup>1</sup>	Infringement by the Samsung Admire
	<p data-bbox="680 235 1885 341">Further, at the incoming call screen, the Samsung Admire'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.</p> <div data-bbox="1066 412 1520 1089"></div> <p data-bbox="705 1130 1885 1198"><b>(Screenshots of the Samsung Admire continuously moving the messaging unlock image across the screen as the user slides her finger to the left to unlock the phone)</b></p>

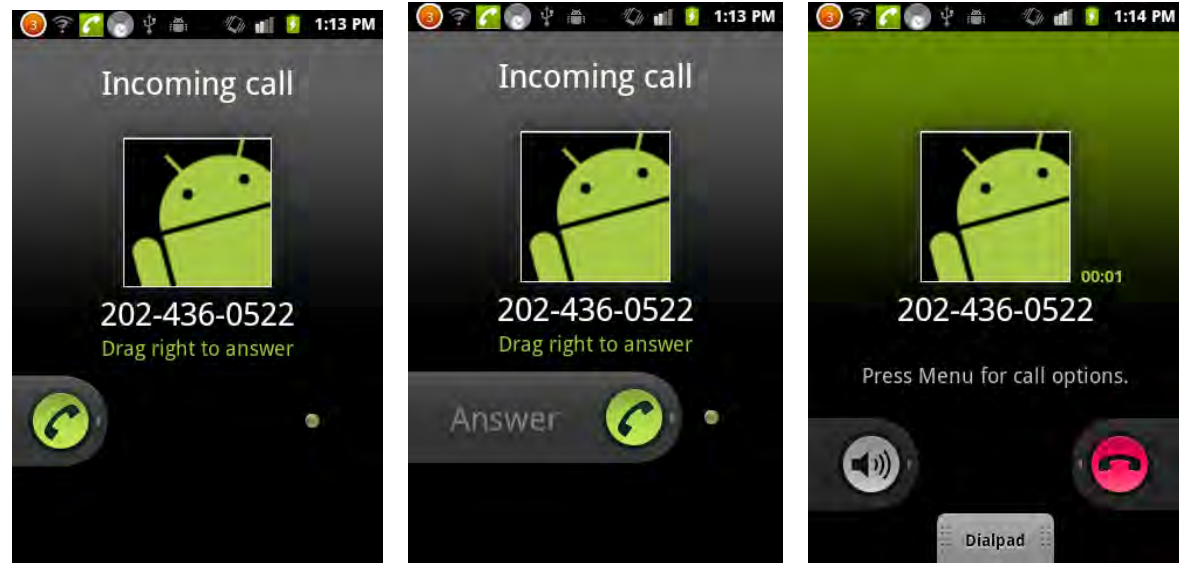
Claim 7 <sup>1</sup>	Infringement by the Samsung Admire
<p>to unlock the hand-held electronic device if the unlock image is moved from the first predefined location on the touch screen to a predefined unlock region on the touch-sensitive display.</p>	<p>The Samsung Admire’s one or more modules include 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.</p> <p>Specifically, the Samsung Admire’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.</p> <div data-bbox="680 630 1906 1218"></div> <p>(Screenshots of the Samsung Admire showing the unlock image sliding to the right as a user unlocks the phone)</p>



Claim 7<sup>1</sup>

## Infringement by the Samsung Admire

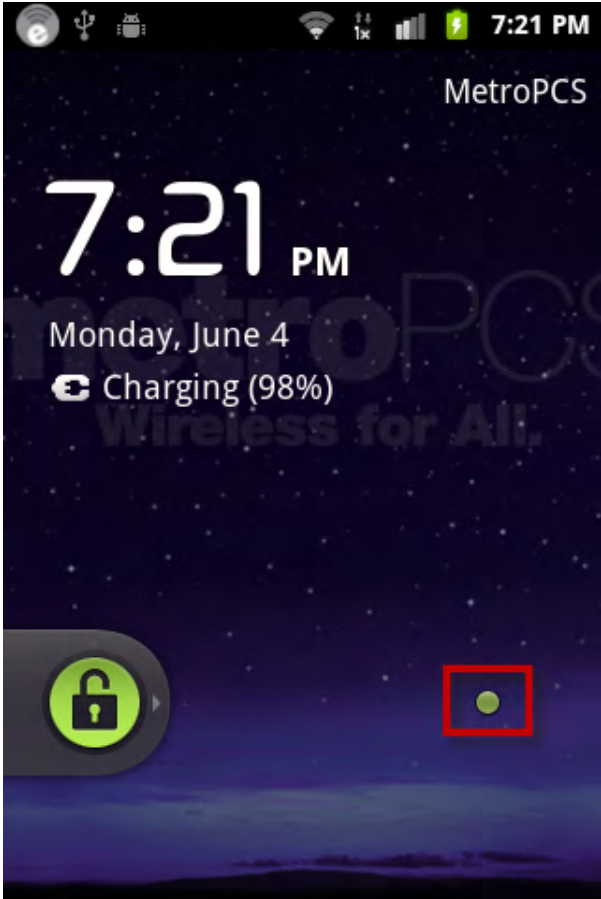
As a second example, the Samsung Admire unlocks to permit the user to answer an incoming phone call when the user slides the green unlock image from its original location at the left side of the touch-sensitive display to a predefined unlock region on the right side of the touch-sensitive display. The predefined unlock region is denoted by a green circle as shown below.

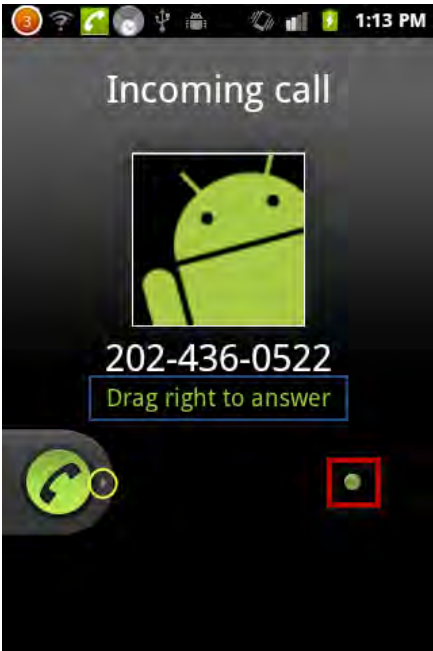


**(Screenshots of the Samsung Admire showing the incoming call unlock image sliding to the right and the phone unlocking as the image reaches the predefined unlock region)**

After the user answers and then terminates the call through the Menu, the Samsung Admire remains unlocked for the user to operate. Thus, it is in a user-interface unlock state.

<b>Claim 8</b>	<b>Infringement by the Samsung Admire</b>
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Admire’s one or more modules further comprise instructions to display visual cues to communicate a direction of movement. Specifically, the Samsung Admire’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.</p> <div data-bbox="1026 448 1560 1247" data-label="Image">A screenshot of a Samsung Admire phone's locked home screen. The background is a dark blue night sky with stars and a horizon line. At the top, the status bar shows icons for signal strength, battery, and the time 7:21 PM. Below the status bar, the text 'MetroPCS' is visible. The large digital clock displays '7:21 PM' in white. Below the clock, it says 'Monday, June 4' and 'Charging (98%)'. At the bottom, there are two circular icons: a green padlock icon with a yellow arrow pointing to the right, and a speaker icon. The arrow on the padlock icon is circled in yellow.</div> <p>(Screenshot of the Samsung Admire unlock image with the arrow circled in yellow)</p>

Claim 8	Infringement by the Samsung Admire
	<p>Moreover, when the Samsung Admire 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.</p>  <p>(Screenshot of the Samsung Admire as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement (highlighted in red))</p>

Claim 8	Infringement by the Samsung Admire
	<p>As a second example, the Samsung Admire 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 Admire 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 Admire provides textual direction as well, instructing the user to "Drag right to answer."</p>  <p>(Screenshot of the incoming call screen displaying the various visual cues for unlocking the phone)</p>

# **EXHIBIT F2**

## **CAPTIVATE GLIDE**

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





**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG CAPTIVATE GLIDE (SGH-I927)**

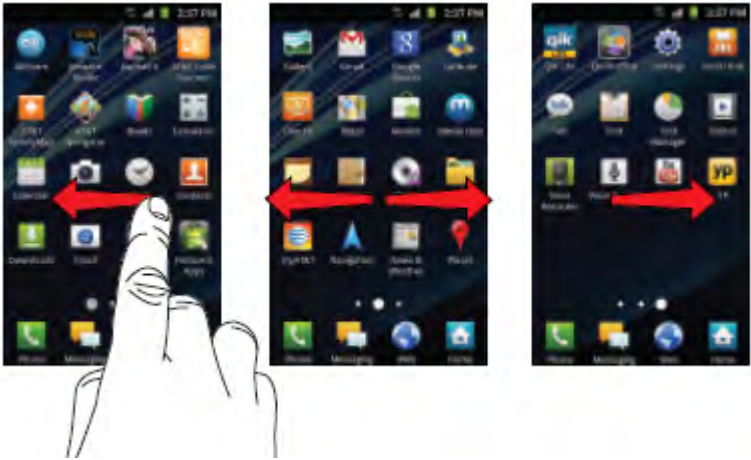
<b>Claim 7<sup>1</sup></b>	<b>Infringement by the Samsung Captivate Glide</b>
7. A portable electronic device, comprising: <sup>2</sup>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Captivate Glide is a portable electronic device. Specifically, the Samsung Captivate Glide is a smartphone with a 4.27” Super AMOLED Plus screen. (See Samsung, Samsung Captivate Glide Android Smartphone, Features, <a href="http://www.samsung.com/us/mobile/cell-phones/SGH-I727MSAATT-features">http://www.samsung.com/us/mobile/cell-phones/SGH-I727MSAATT-features</a>). ). It weighs 5.2 oz. and measures 4.9” (L) x 2.5” (W) x 0.5” (D). (See AT&amp;T, Samsung Captivate Glide Overview, <a href="http://www.wireless.att.com/cell-phone-service/cell-phone-details/index.jsp?device=Samsung+Captivate+(TM)+Glide+-+Black&amp;q_sku=sku5410297#fbid=tMatsKL3j4H">http://www.wireless.att.com/cell-phone-service/cell-phone-details/index.jsp?device=Samsung+Captivate+(TM)+Glide+-+Black&amp;q_sku=sku5410297#fbid=tMatsKL3j4H</a>). Further, the Samsung Captivate Glide is “powered by a rechargeable Li-ion battery.” (Samsung Captivate Glide User Guide, at 7).</p> <div data-bbox="1031 673 1566 1156" data-label="Image"> </div> <p>(Samsung, Samsung Captivate Glide, Gallery, <a href="http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-gallery">http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-gallery</a>).</p>



<sup>1</sup> 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.

<sup>2</sup> 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.

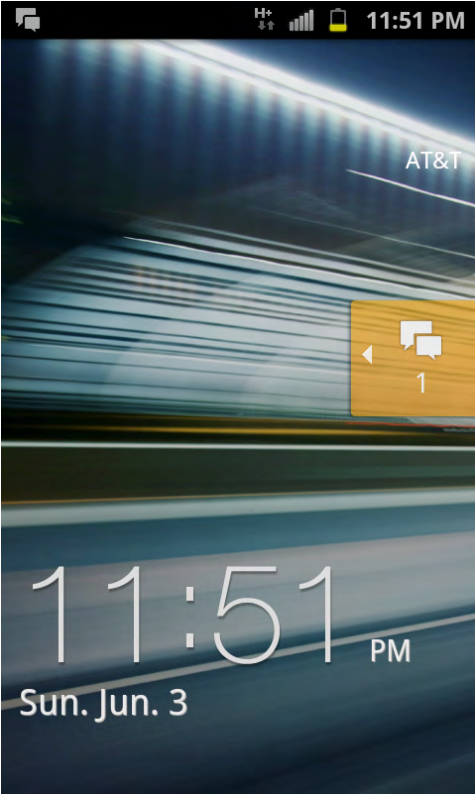
Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
<p>a touch-sensitive display;</p>	<p>The Samsung Captivate Glide comprises a touch-sensitive display. For example, according to the Samsung Captivate Glide’s User Guide, it has a touch screen that “provides quick response[s] to a variety of in-phone menus and options including applications and seven home screens.” (Samsung Captivate Glide User Manual, at 13). A user interacts with the Samsung Captivate Glide’s applications by, for example, tapping items on the touchscreen to select or launch them or touching and holding screen items to activate them. (See Samsung Captivate Glide User Guide, at 26).</p>  <p>(Samsung Captivate Glide User Guide, at 26).</p> <p>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.”)).</p>

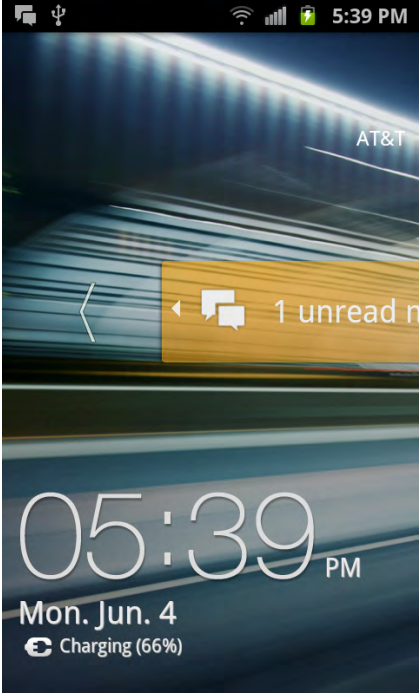
Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide						
<p>memory;</p>	<p>The Samsung Captivate Glide comprises memory. Specifically, the Samsung Captivate Glide has 8GB of internal memory and supports an external microSD card. (Samsung, Samsung Captivate Glide Android Smartphone, <a href="http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-specs">http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-specs</a>).</p> <table border="1" data-bbox="688 415 1362 654"> <thead> <tr> <th colspan="2" data-bbox="688 415 1362 475">Memory</th> </tr> </thead> <tbody> <tr> <td data-bbox="688 475 1018 535"><b>Internal Memory</b></td> <td data-bbox="1018 475 1362 535">1GB RAM/1GB ROM/8GB</td> </tr> <tr> <td data-bbox="688 535 1018 654"><b>External Memory/microSD™ Capacity</b></td> <td data-bbox="1018 535 1362 654">microSD™ card</td> </tr> </tbody> </table> <p>(<i>Id.</i>).</p>	Memory		<b>Internal Memory</b>	1GB RAM/1GB ROM/8GB	<b>External Memory/microSD™ Capacity</b>	microSD™ card
Memory							
<b>Internal Memory</b>	1GB RAM/1GB ROM/8GB						
<b>External Memory/microSD™ Capacity</b>	microSD™ card						
<p>one or more processors;</p>	<p>The Samsung Captivate Glide comprises one or more processors. Specifically, the Samsung Captivate Glide has a 1.0 GHz dual-core processor. (Samsung, Samsung Captivate Glide Android Smartphone, Specs, <a href="http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-specs">http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-specs</a>).</p> <p><b>Dual-Core processor moves data like a two lane highway instead of one</b></p> <p>You'll have a full 1.0 GHz, dual-core processor moving your data and information. Single core processors can only move data so fast, but when a second core is added, it makes all the difference. You'll have a smoother and better movie and video playback. You can load images lightning fast, and forget about buffering during games. Once you experience dual core speed, there's no going back to single core processing.</p>  <p>(Samsung, Samsung Captivate Glide Android Smartphone, Features, <a href="http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-features">http://www.samsung.com/us/mobile/cell-phones/SGH-I927ZKAATT-features</a>).</p>						

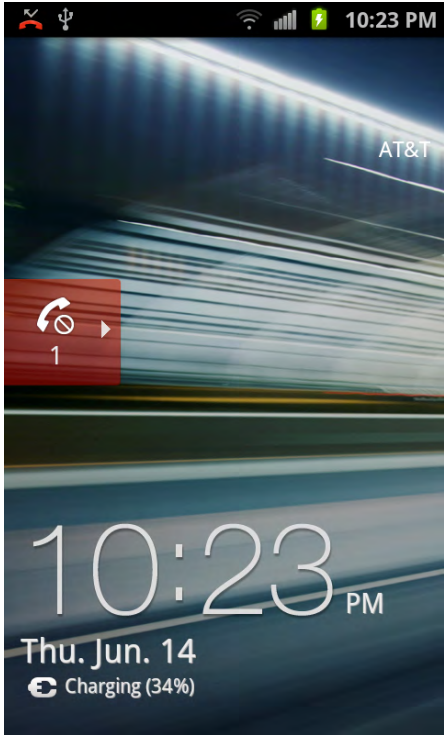
Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
<p>one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions:</p>	<p>The Samsung Captivate Glide comprises one or more modules stored in the memory and configured for execution by the one or more processors, the one or more modules including instructions. For example, the Samsung Captivate Glide contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Captivate Glide's processor. This module allows the Samsung Captivate Glide to detect contact with the touchscreen. The Samsung Captivate Glide User Manual discloses some of those contacts that the contact/motion module detects, as shown below.</p> <p><b>Features of Your Phone</b></p> <p>Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.</p> <ul style="list-style-type: none"><li>• Touch screen provides quick response to a variety of in-phone menus and options including applications and seven home screens</li></ul> <p>(Samsung Captivate Glide User Manual, at 13).</p>  <p>(Id. at 26).</p>

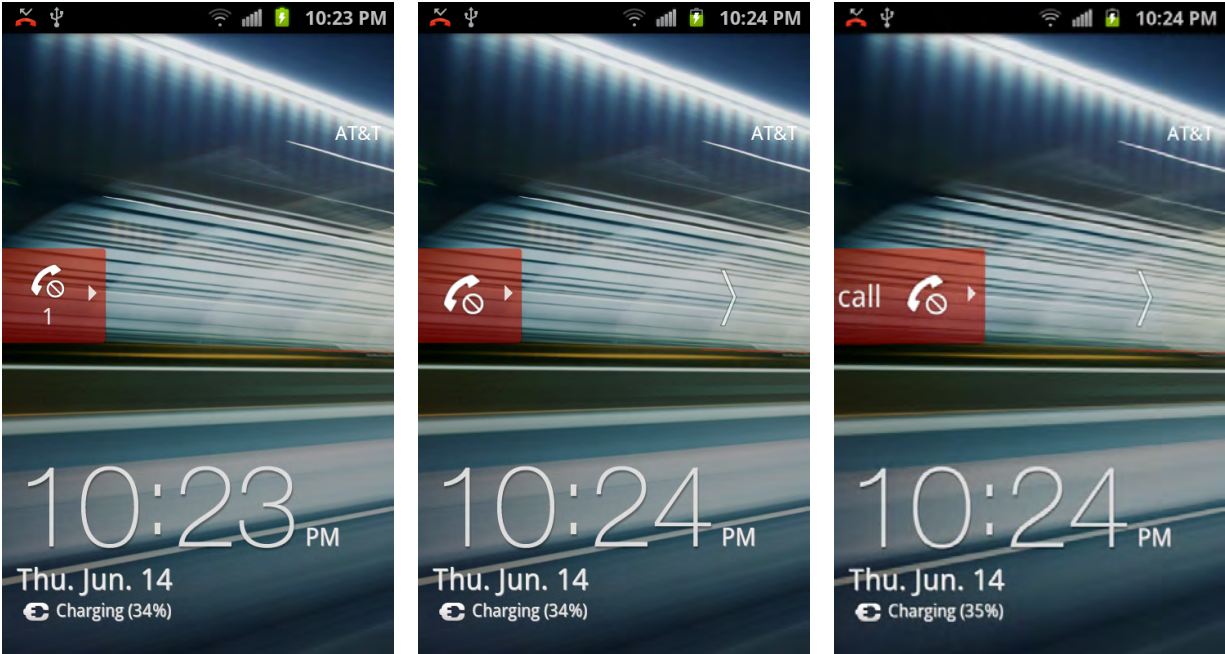
Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Captivate Glide’s one or more modules include instructions to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image. Specifically, when the Samsung Captivate Glide receives a call, it displays the caller’s phone number and an unlock image on the incoming call screen. (<i>See</i> Samsung Captivate Glide, at 38). 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 Captivate Glide’s touchscreen, as shown below. (<i>Id.</i>). The Samsung Captivate Glide detects contact with this unlock image as a user touches and slides the image to answer the call. (<i>Id.</i>).</p> <p><b>Answering a Call</b></p> <p>When a call is received the phone rings and displays the caller’s phone number, or name if stored in the Address Book.</p> <ol style="list-style-type: none"><li>1. At the incoming call screen:<ul style="list-style-type: none"><li>• Touch and slide  to the right to answer the call.</li></ul></li></ol>  <p>(Representation from Samsung Captivate Glide User Guide showing user touching unlock icon) (<i>Id.</i>)</p>




Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p data-bbox="680 237 1900 337">As a second example, when a locked Samsung Captivate Glide receives a text message through its Messaging application, it displays an unlock image on the home screen, as shown in the screenshot below.</p>  <p data-bbox="716 1162 1877 1232"><b>(Screenshot of the locked Captivate Glide home screen showing the messaging unlock image)</b></p>


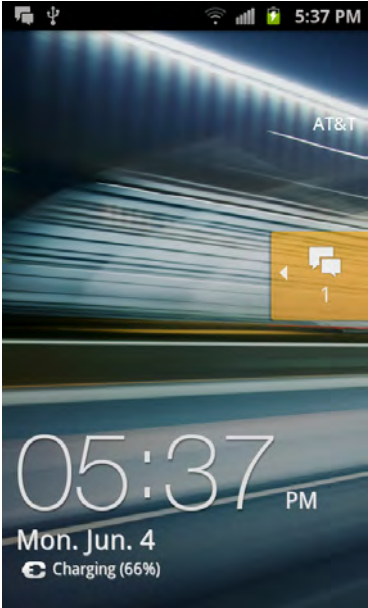
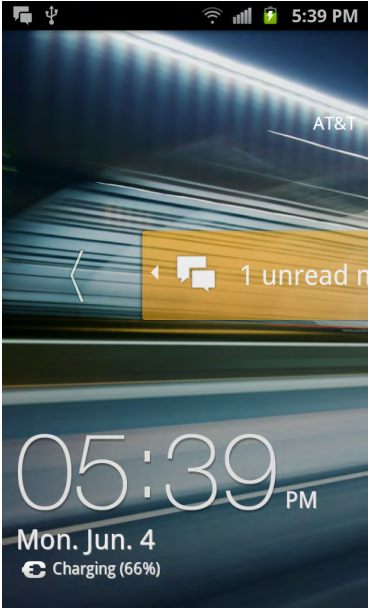
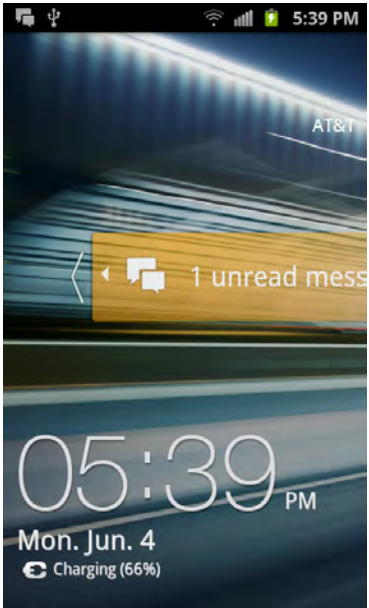
Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p>The unlock image, which is an orange icon containing the representation of the messaging application, appears at predefined location at the right side of the Samsung Captivate Glide's locked touchscreen, as shown above. The Samsung Captivate Glide 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.</p>  <p>(Screenshot of the Samsung Captivate Glide detecting contact with the messaging unlock image as a user slides it to the left to unlock the phone)</p> <p>As is shown in the screenshot above, when the Samsung Captivate Glide detects contact with the unlock image, it displays a white arrow on the left side of the locked home screen.</p>

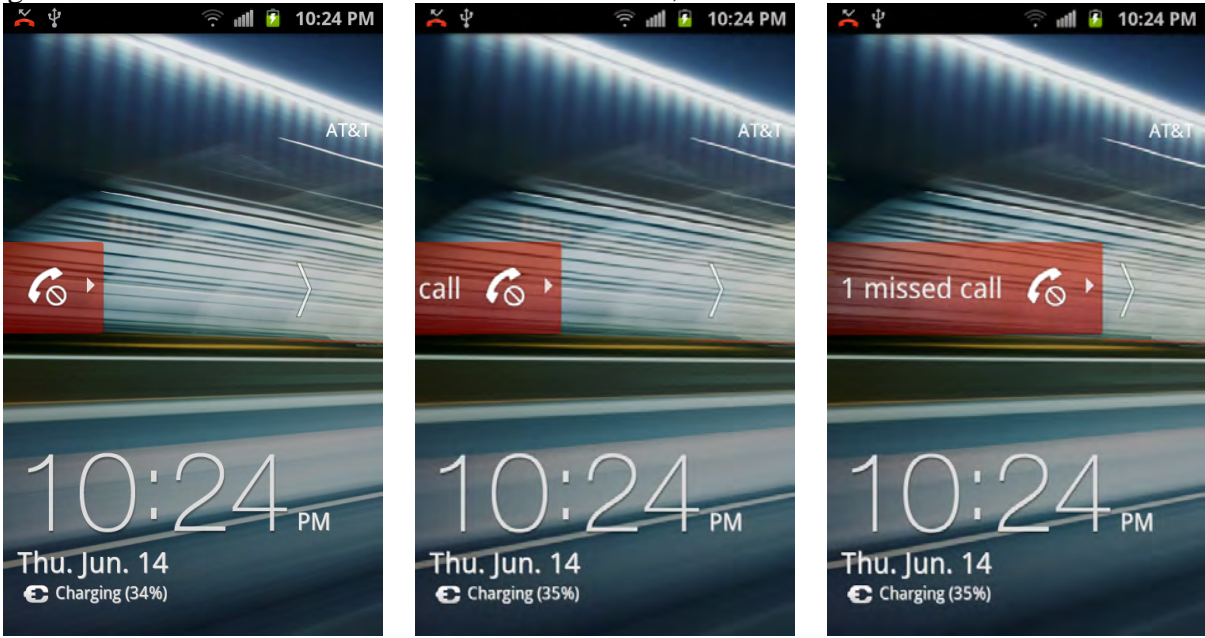
Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p>As a third example, when the user misses an incoming call, the Samsung Captivate Glide displays an unlock image on the locked home screen. The unlock image, which is a red icon containing the representation of a phone, appears at a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

Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p>The Samsung Captivate Glide 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.</p>  <p><b>(Screenshots of the Samsung Captivate Glide detecting a contact with the unlock image on the locked home screen (middle) as the user slides the unlock image to the right)</b></p> <p>As is shown in the middle screenshot above, when the Samsung Captivate Glide detects a contact with the red unlock image, an arrow appears in a predefined location at the right side of the screen.</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
<p>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</p>	<p>The Samsung Captivate Glide'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 on the incoming call screen, the Samsung Captivate Glide 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 Captivate Glide User Manual, at 38).</p> <div data-bbox="997 576 1627 1177" data-label="Image"></div> <p>(Representation from Samsung Captivate Glide User Guide showing user touching and sliding the unlock icon from left to right to unlock the phone) (<i>Id.</i>)</p>

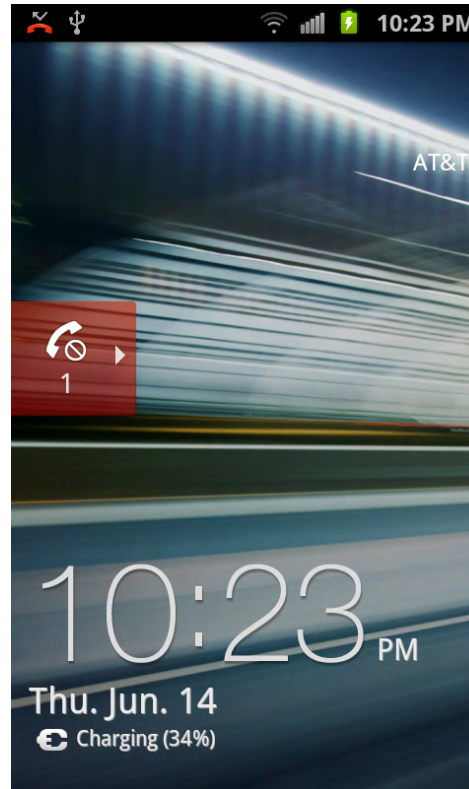


Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p>Further, at the incoming call screen, the Samsung Captivate Glide's unlock image is a graphical, interactive user-interface object, namely a green icon containing a representation of a phone, that the user touches and then slides across the touchscreen to unlock the phone. (See Samsung Captivate Glide User Guide, at 38).</p> <p style="text-align: center;"><b>1. At the incoming call screen:</b></p> <ul style="list-style-type: none"> <li>• Touch and slide  to the right to answer the call.</li> </ul> <p>(<i>Id.</i>).</p> <p>As a second example, as the user touches and slides the messaging unlock image on the locked home screen, the Samsung Captivate Glide 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.</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p style="text-align: center;"><b>(Screenshots of the Samsung Captivate Glide, showing the unlock icon continuously moving across the screen as the user slides her finger from right to left)</b></p>


Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p data-bbox="678 237 1877 337">As a third example, as the user touches and slides the missed call unlock image on the locked home screen, the Samsung Captivate Glide continuously moves the unlock image from left to right while the user maintains contact with the screen, as shown below.</p> <div data-bbox="695 337 1892 971">The image consists of three side-by-side screenshots of a Samsung Captivate Glide phone's locked home screen. Each screenshot shows a dark blue background with a blurred, streaked effect. At the top, the AT&amp;T logo is visible. The time is 10:24 PM, and the date is Thu. Jun. 14. The battery level is 34% in the first screenshot and 35% in the others. A red notification bar is present in the middle of each screen, containing a white phone icon and a right-pointing arrow. In the first screenshot, the notification bar is partially visible. In the second screenshot, the notification bar is more prominent and contains the text 'call'. In the third screenshot, the notification bar is fully visible and contains the text '1 missed call'. The notification bar appears to be sliding from left to right across the three screenshots.</div> <p data-bbox="678 1008 1908 1078"><b>(Screenshots showing the Samsung Captivate Glide continuously moving the unlock image as a user slides it to the right to unlock the phone)</b></p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Captivate Glide**

Further, the Samsung Captivate Glide'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.



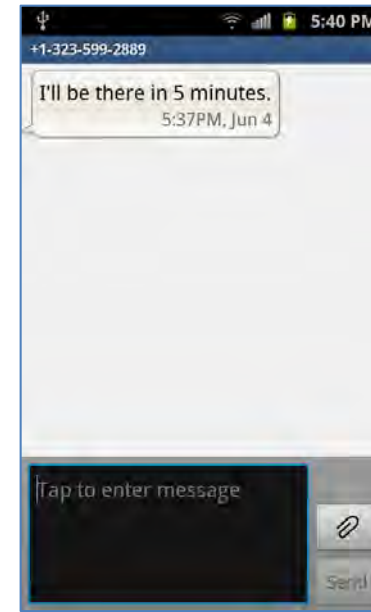
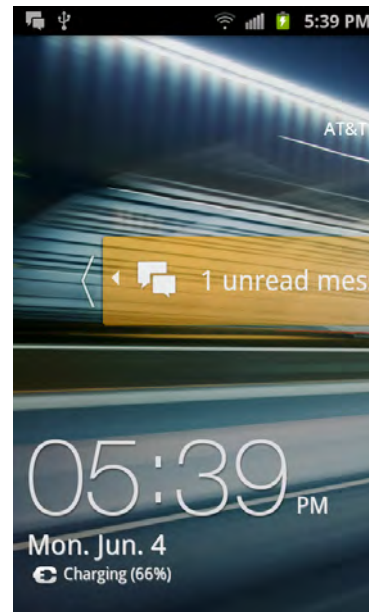
**(Screenshot showing the missed call unlock image on the locked Samsung Captivate Glide home screen)**

Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
<p>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.</p>	<p>The Samsung Captivate Glide’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.</p> <p>Specifically, the Samsung Captivate Glide 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 Captivate Glide User Guide, at 38).</p> <div data-bbox="997 609 1627 1218" data-label="Image"></div> <p><b>(Representation of a user sliding the green unlock image from a first pre-defined location at the left side of the Samsung Captivate Glide touchscreen to the unlock region in order to unlock the phone to answer an incoming call) (Samsung Captivate Glide User Guide, at 38)</b></p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Captivate Glide**

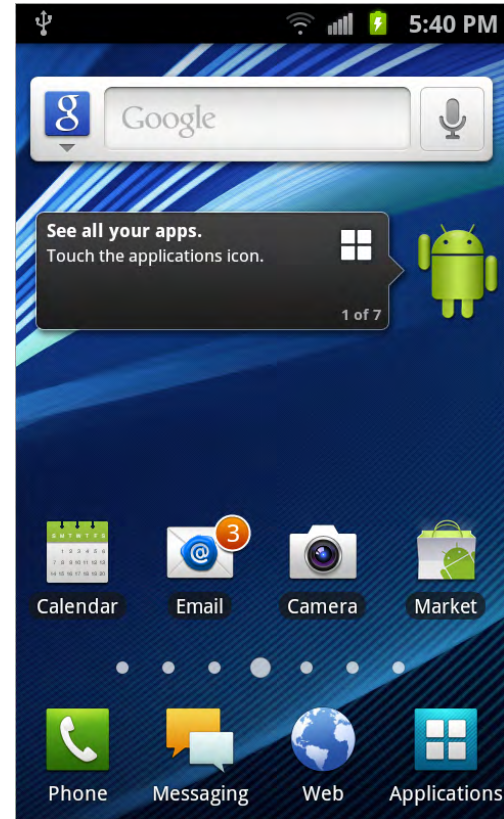
After the user answers and then terminates the call, all the applications on the phone are unlocked for the user to use. Thus, it is in a user-interface unlock state.

As a second example, the Samsung Captivate Glide 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.



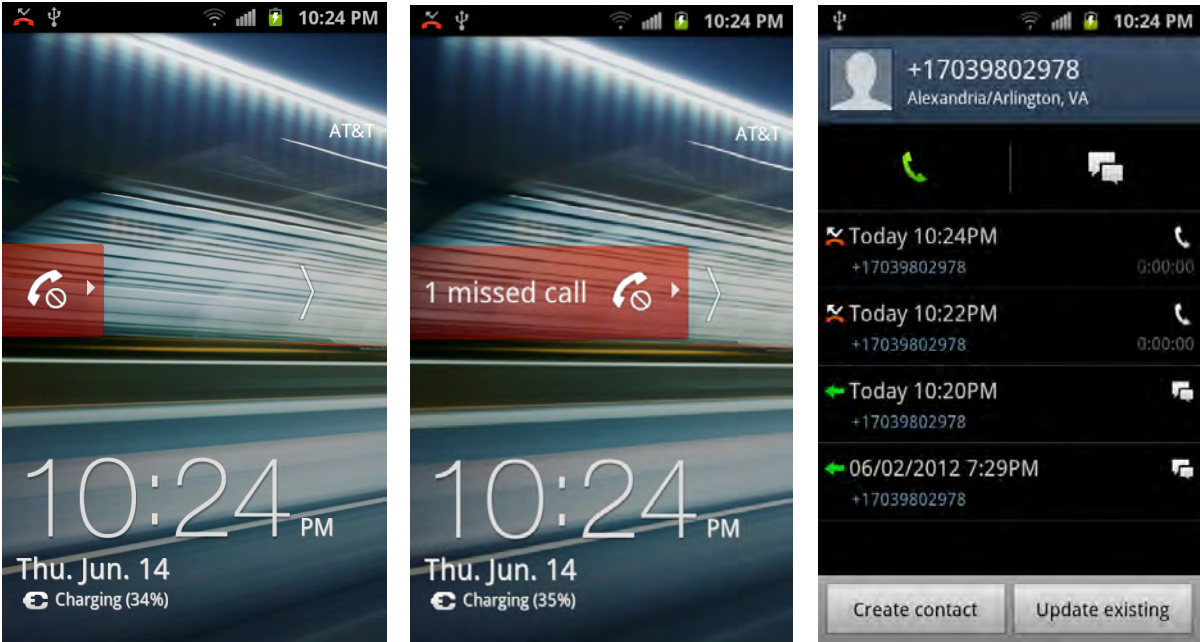
**Claim 7<sup>1</sup>****Infringement by the Samsung Captivate Glide**

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, it is in a user-interface unlock state.



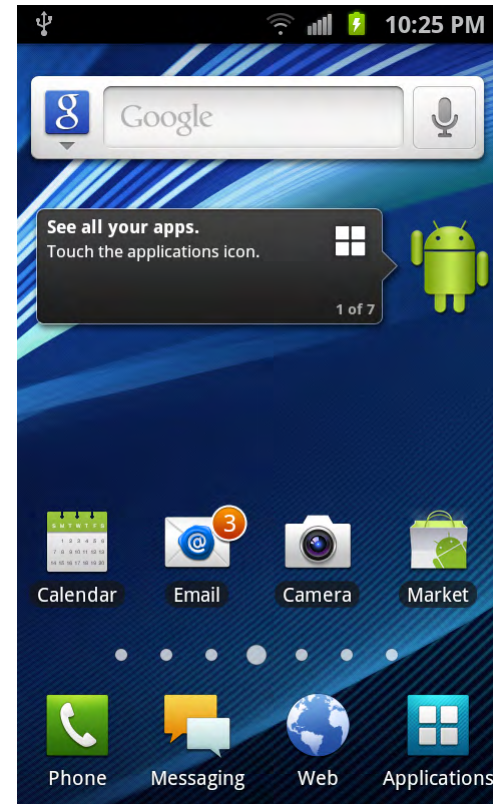
**(Screenshot of the unlocked Samsung Captivate Glide exits the Messaging application)**




Claim 7 <sup>1</sup>	Infringement by the Samsung Captivate Glide
	<p data-bbox="680 237 1902 410">As a third example, the Samsung Captivate Glide 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.</p> <div data-bbox="705 448 1898 1086"></div> <p data-bbox="716 1105 1875 1175"><b>(Screenshots of the Samsung Captivate Glide showing the unlock image sliding to the right as a user unlocks the phone to view missed call information)</b></p>

**Claim 7<sup>1</sup>****Infringement by the Samsung Captivate Glide**

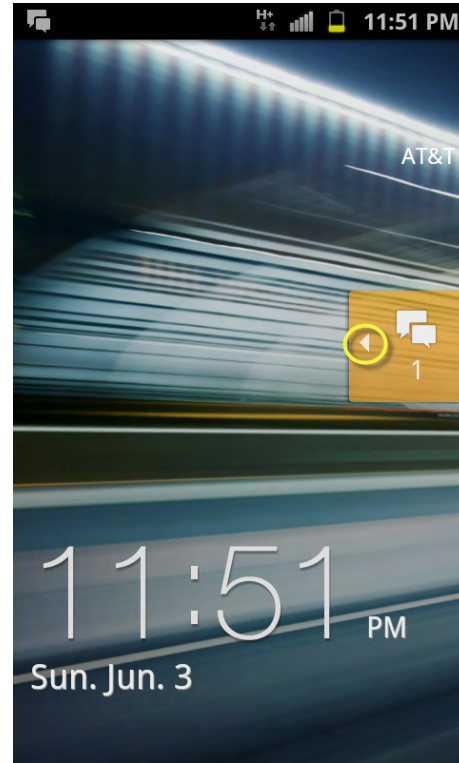
After the user unlocks the phone using the missed call unlock image, all applications on the phone are available to the user. Thus, the phone is in a user-interface unlock state.



**(Screenshot of the Samsung Captivate Glide after the user exits the missed call log)**

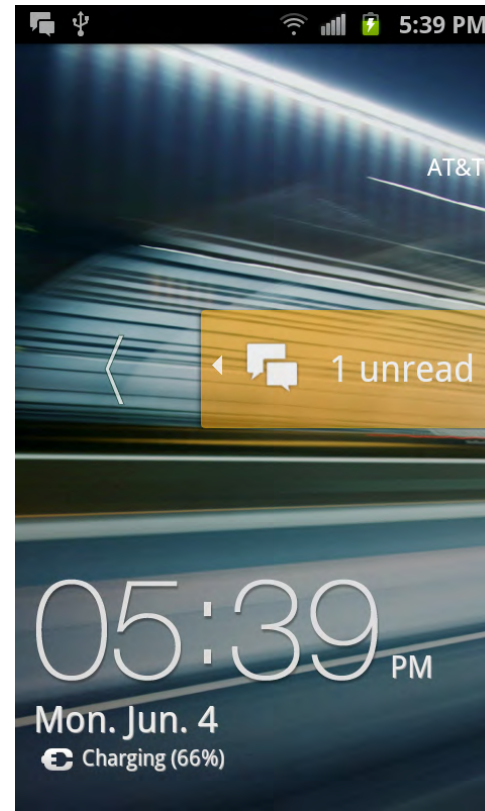
Claim 8	Infringement by the Samsung Captivate Glide
<p>8. The device of claim 7, further comprising instructions to display visual cues to communicate a direction of movement.</p>	<p>The Samsung Captivate Glide’s one or more modules further comprise instructions to display visual cues to communicate a direction of movement. In particular, the Samsung Captivate Glide includes instructions to display an arrow on the phone’s green unlock image on the incoming call screen. (See Samsung Captivate Glide User Guide, at 38). 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. (<i>Id.</i>). The presence of the arrow on the unlock image is shown below.</p> <p>1. At the incoming call screen:</p> <ul style="list-style-type: none"><li>• Touch and slide  to the right to answer the call.</li></ul> <div data-bbox="1144 646 1444 1144"></div> <p>(Image from the Samsung Captivate Glide User Guide with the arrow circled in yellow) (See <i>id.</i>)</p>

As a second example, the Samsung Captivate Glide 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.



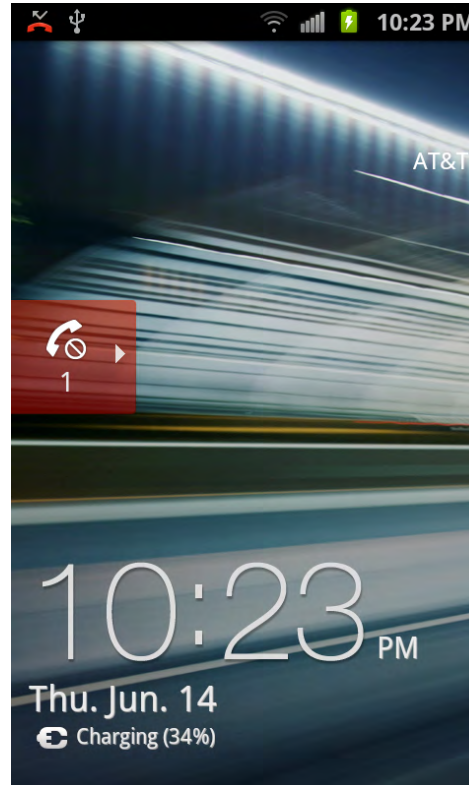
**(Image from the Samsung Captivate Glide with the arrow on the messaging unlock image circled in yellow)**

Moreover, when the Samsung Captivate Glide 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 Captivate Glide as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement)**

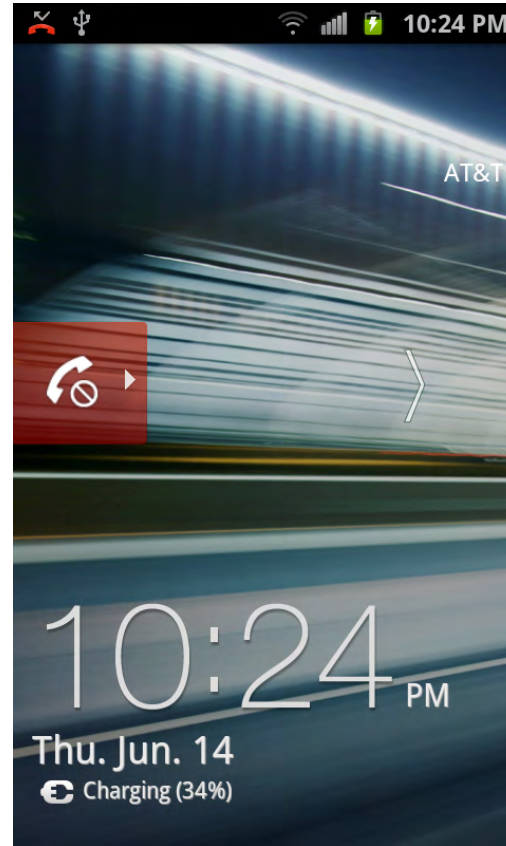
As a third example, the Samsung Captivate Glide displays an arrow on the phone's red missed call unlock image on the locked home screen, as shown below. The arrow is a visual cue that directs the user to slide the image to the right to unlock the phone and view the missed call log. The presence of the arrow on the unlock image is shown below.



**(Screenshot of the Captivate Glide showing the presence of the arrow on the missed call unlock image)**



Moreover, when the Samsung Captivate Glide 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 Captivate Glide as it is detecting contact with the unlock image, displaying a second visual cue regarding direction of movement)**

# **EXHIBIT F3**

# **CONQUER 4G**

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


**INFRINGEMENT OF U.S. PATENT NO. 8,046,721 BY THE SAMSUNG CONQUER 4G (SPH-D600)**

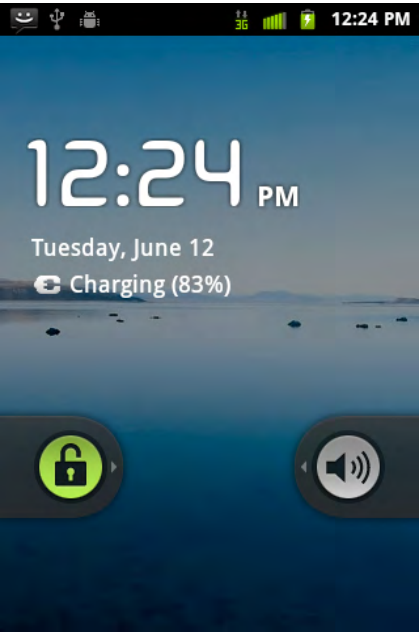
Claim 7 <sup>1</sup>	Infringement by the Samsung Conquer 4G
<p>7. A portable electronic device, comprising:<sup>2</sup></p>	<p>To the extent that the preamble of claim 7 may be construed to be limiting, the Samsung Conquer 4G is a portable electronic device. Specifically, the Samsung Conquer 4G is an Android smartphone with a 3.5” HVGA touch screen display. (See Samsung, Conquer 4G Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-specs">http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-specs</a>). It weighs 4.2 oz. and measures 4.57” (L) x 2.38” (W) x 0.46” (D). (<i>Id.</i>). It has a 1.0 GHz processor. (<i>Id.</i>). Further, the Samsung Conquer 4G is equipped with a Lithium ion (Li-ion) battery. (<i>Id.</i>).</p> <div data-bbox="961 565 1621 1149" data-label="Image"> </div> <p>(Samsung, Conquer 4G Gallery, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-gallery">http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-gallery</a>).</p>

<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Infringement by the Samsung Conquer 4G						
<p>a touch-sensitive display;</p>	<p>The Samsung Conquer 4G comprises a touch-sensitive display. According to the Samsung Conquer 4G’s User Guide, it has a touch screen display that “displays all the information needed to operate you device” and “provides one-touch access to all of your features and applications.” (Samsung, Conquer 4G User Guide, at 13 (2011) [hereinafter “Conquer 4G User Guide”]). A user interacts with the Samsung Conquer 4G’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. (<i>Id.</i> at 26, 29, 32).</p> <p>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.”). Further, the Conquer 4G User Manual explicitly states that the Conquer 4G is a touch-sensitive device: “The Conquer 4G is touch-sensitive, and this allows you to not only select an onscreen option with a single tap, but also scroll through long menu lists.” (Conquer 4G User Guide, at 28).</p>						
<p>memory;</p>	<p>The Samsung Conquer 4G comprises memory.</p> <p>Specifically, the Samsung Conquer 4G has 512MB of internal memory and supports an external microSD card. (Samsung, Conquer 4G Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-specs">http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-specs</a>).</p> <table border="1" data-bbox="684 1008 1283 1252"> <thead> <tr> <th colspan="2" data-bbox="684 1008 1283 1068">Memory</th> </tr> </thead> <tbody> <tr> <td data-bbox="684 1068 1016 1128">Internal Memory</td> <td data-bbox="1016 1068 1283 1128">512MB</td> </tr> <tr> <td data-bbox="684 1128 1016 1252">External Memory/microSD™ Capacity</td> <td data-bbox="1016 1128 1283 1252">32GB</td> </tr> </tbody> </table> <p>(<i>Id.</i>).</p>	Memory		Internal Memory	512MB	External Memory/microSD™ Capacity	32GB
Memory							
Internal Memory	512MB						
External Memory/microSD™ Capacity	32GB						

Claim 7 <sup>1</sup>	Infringement by the Samsung Conquer 4G
<p>one or more processors;</p>	<p>The Samsung Conquer 4G comprises one or more processors.</p> <p>Specifically, the Samsung Conquer 4G has a 1 GHz MSM8655 processor. (<i>Id.</i>).</p>  <p>(Samsung, Conquer 4G Specifications, <a href="http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-specs">http://www.samsung.com/us/mobile/cell-phones/SPH-D600ZKASPR-specs</a>).</p>
<p>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:</p>	<p>The Samsung Conquer 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.</p> <p>The Samsung Conquer 4G contains, among other modules, a contact/motion module in its memory that is configured for execution by the Samsung Conquer 4G’s processor. This module allows the Samsung Conquer 4G to detect contact with the touchscreen. The Samsung Conquer 4G User Guide discloses some of those contacts that the contact/motion module detects. In particular, the Samsung Conquer 4G has a touch screen that “provides one-touch access to all of your features and applications.” (Conquer 4G User Guide, at 13). A user interacts with the Samsung Conquer 4G’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. (<i>Id.</i> at 26, 29, 32).</p> <p>Further, the Conquer 4G User Manual explicitly states that the Conquer 4G is a touch-sensitive device: “The Conquer 4G is touch-sensitive, and this allows you to not only select an onscreen option with a single tap, but also scroll through long menu lists.” (Conquer 4G User Guide, at 28).</p>

Claim 7 <sup>1</sup>	Infringement by the Samsung Conquer 4G
<p>to detect a contact with the touch-sensitive display at a first predefined location corresponding to the unlock image;</p>	<p>The Samsung Conquer 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.</p> <p>Specifically, the Samsung Conquer 4G includes instructions to, when the Conquer 4G'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.</p>  <p>(Screenshot of the locked home screen for the Samsung Conquer 4G, displaying the unlock image at a predefined location on the left side of the touchscreen display)</p>