

**Exhibit F.1**

**Invalidity Claim Chart for U.S. Patent No. 8,749,507**  
**Based On U.S. Patent No. 6,590,568 (Astala '568)**

Astala '568 invalidates the '507 patent under at least 35 U.S.C. §§ 102(a), (b) and (e).

'507 Claim Language	Exemplary Disclosure in Astala '568
<p>e A method comprising:</p>	<p>Astala '568 discloses a method. For example:</p> <p>Abstract (“A method of and apparatus for dragging and dropping items displayed on a touch screen.”).</p> <p>Claims 1 and 14, and the claims depending from each.</p> <p>To the extent this reference does not expressly disclose this limitation, it inherently discloses it.</p> <p>To the extent this limitation is not disclosed, this limitation is rendered obvious in light of this reference by itself, this reference combined with the other references charted for the '507 patent, and this reference combined with any of the references identified in Section B.3 of these contentions.</p>
<p>receiving contact data from an input device;</p>	<p>Astala '568 discloses receiving contact data from an input device. For example:</p> <p>2:11-48 (e.g., “Another object of the present invention is to provide a touch screen technique for an electronic device in which the location and the time duration of an object, such as a finger or stylus or other pointed object, contacting or pressing a detection point on the touch screen, are detected. In addition, the pressure of the object on the touch screen may be detected as well as the velocity of the object as it is moved across the face of the touch screen.”)</p> <p>FIG. 3 and 6:23-32 (“FIG. 3 is a block diagram of a mobile terminal 20a that operates within the MDA system of FIG. 1. Terminals 20b and 20c may be similar in design. Terminal20a may include a touch screen 70 for providing a display, a keyboard 72, a browser 74, a driver 76, and hardware 78. The hardware 78 may include a memory for storing data, such as the Internet address of the global address server 36, and the software for operating the terminal20, such as the browser 74. Hardware 78 may include a touch screen controller for</p>

'507 Claim Language	Exemplary Disclosure in Astala '568
	<p>controlling the input process for touch screen 70. As the terminal 20a is")</p> <p>7:4-10 (“In order to retrieve information or to request services from the MDA server 28 or the Internet 26, the user might utilize the input touch screen 70. ...”)</p> <p>9:16-20 (“The process begins at step 700. At step 702, a touch screen input is detected. That is, the touch of an object, such as a finger or pointed stylus, on the touch screen 70 is detected. This is illustrated in FIG. 6b by touch input 732 being disposed over the object file 1 of window 728.”)</p> <p><i>See also:</i> FIGS. 6a-6d; 1:18-2:8 (“Background of the Invention”); 8:47-57; 8:58-9:65 (describing embodiments in the context of FIGS. 6a-6d); and claims 1 and 14 and the claims that depend from them.</p> <p>To the extent this reference does not expressly disclose this limitation, it inherently discloses it.</p> <p>To the extent this limitation is not disclosed, this limitation is rendered obvious in light of this reference by itself, this reference combined with the other references charted for the '507 patent, and this reference combined with any of the references identified in Section B.3 of these contentions.</p>
<p>determining an interaction with a displayed object on a screen based on the contact data;</p>	<p>Astala '568 discloses determining an interaction with a displayed object on a screen based on the contact data. For example:</p> <p>Abstract (“A method of and apparatus for dragging and dropping items displayed on a touch screen.”)</p> <p>2:11-48 (e.g., “Thus, when a touch input is effected by pressing a selected first item displayed on the touch screen for a predetermined period of time and then dragging the object or finger along the face of the touch screen to a second item displayed on the touch screen while pressing the screen with a lighter pressure than the initial pressing on the selected first item and then pressing on the second item displayed on the touch screen for a third predetermined period of time may result in moving the selected item to the location of the second item, that is, dragging and dropping the selected first item on the second item.”)</p> <p>FIG. 3 and 6:23-32 (“FIG. 3 is a block diagram of a mobile terminal 20a that operates within the MDA system of FIG. 1. Terminals 20b and 20c may be similar in design. Terminal20a may include a touch screen 70 for</p>