**Exhibit 1**

**U.S. Patent No. 8,526,767 ("'767 Patent")**

**Invalidity Chart Based On Primary Reference U.S. Patent Application Publication No. 2009/0284478 (**

BALTIERRA qualifies as prior art to U.S. Patent No. 8,526,767 ("'767 Patent") at least under 35 U.S.C. § 102(e
alone or with other references, renders obvious one or more of claims 1-3, 6, and 11-14.  To the extent BALTIEH
one or more limitations of the claims, it would have been obvious to combine the teachings of BALTIERRA wit
one of ordinary skill in the art and with one or more of the references below to render the claims at-issue in the '

- U.S. Patent Application Publication No. 2007/0247435 ("BENKO")
- U.S. Patent No. 8,519,965 ("CADY")
- U.S. Patent Application Publication No. 2009/0325643 ("HAMADENE")
- Japanese Laid-Open Patent Application Gazette H09-231004 ("KATOU")
- U.S. Patent Application Publication No. 2009/0213084 ("KRAMER")
- U.S. Patent Application Publication No. 2010/0020025 ("LEMORT")
- U.S. Patent Application Publication No. 2008/0046425 ("PERSKI")
- International Patent Publication No. WO 00/63874 ("STRINGER")
- U.S. Patent Application Publication No. 2007/0176906 ("WARREN")
- U.S. Patent Application Publication No. 2008/0036743 ("WESTERMAN")
- U.S. Patent Application Publication No. 2009/0225039 ("WILLIAMSON")
- U.S. Patent Application Publication No. 2007/0046643 ("HILLIS") (prior art under at least 35 U.S.C. §1(
- U.S. Patent Application Publication No. 2006/0066582 ("LYON") (prior art under at least 35 U.S.C. §10
- U.S. Patent Application Publication No. 2007/0152984 ("ORDING") (prior art under at least 35 U.S.C. §
- U.S. Patent Application Publication No. 2007/0291009 ("WRIGHT") (prior art under at least 35 U.S.C. §
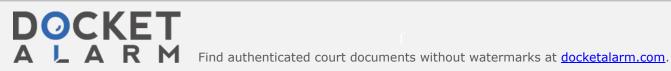- Admitted Prior Art

The excerpts cited herein are exemplary.  For any claim limitation, Samsung may rely on excerpts cited for any c
additional excerpts not set forth fully herein to the extent necessary to provide a more comprehensive explanatio
disclosure of a limitation.  Where an excerpt refers to or discusses a figure or figure items, that figure and any ad
of that figure should be understood to be incorporated by reference as if set forth fully herein.  Similarly, where a
particular text referring to a figure, the citation should be understood to include the figure and related figures as v

These invalidity contentions are not an admission by Samsung that the accused products or components, includi[ng]
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contentions only to the extent Plaintiff's assertions may be understood.

| _Asserted Claims_ | _Exemplary Disclosures_ |
|---|---|
| **Claim 1** | |
| [1.pre] A touch sensor device comprising: | BALTIERRA, alone or in combination with the knowledge of a person of or art, discloses and/or renders obvious the touch sensor device recited in claim<br><br>BALTIERRA at Abstract:<br>"This document describes tools capable of initiating a function based on one contacts received through a contact detection device, such as a touch pad. In the tools identify tactile contacts in accordance with the tool's input mode. T input mode to determine what gestures may be identified for the tactile conta embodiments, these tools switch input modes based on a number or characte contacts electronically represented in contact data. By so doing, the tools ma determine appropriate gestures or provide a broader range of functions based received through a contact detection device."<br><br>BALTIERRA at [0003]:<br>"This document describes tools capable of initiating a function based on one contacts received through a contact detection device, such as a touch pad. In the tools identify tactile contacts in accordance with the tool's input mode. T input mode to determine what gestures may be identified for the tactile conta embodiments, these tools switch input modes based on a number or characte contacts electronically represented in contact data. By so doing, the tools ma determine appropriate gestures or provide a broader range of functions based received through a contact detection device."<br><br>BALTIERRA at [0011]:<br>"More and more, computing systems are sold with contact input devices, su touch screen. These devices accept user input based on physical contact, suc for one or more stylus or finger contacts, with one or more contact detectors touch pad. Current touch pads, however, are not well suited to many comput |

| _Asserted Claims_ | _Exemplary Disclosures_ |
|---|---|
| | applications because they often cannot differentiate between enough differer contacts or require users to perform awkward gestures."<br><br>BALTIERRA at [0012]-[0013]:<br>"This document describes an identifier module included with a contact dete identify or recognize an electronic version of one or more tactile contacts re data obtained from contact detectors in the contact detection device. One or machines and a monitoring state machine are included with the identifier mo identifier module's input mode, which controls which gestures that the ident identify. The contact state machines and/or monitoring state machine may re contact data for a change in a number of tactile contacts and characteristics represented in the contact data. In response to a change represented in conta state machine may determine to change state. The monitoring state machine the contact state machine to determine when the contact state machine chang monitoring state machine changes the identifier module's input mode in resp state machine changing state.<br>In at least this way, the monitoring state machine determines what gestures t may identify. If a person contacts the contact detection device with two fing module may identify which gesture is appropriate or intended by a user that contacts to the contact detection device based on the input mode. Thus, whe gestures, the identifier module may analyze individual tactile contacts based module's input mode or sub-mode. By treating individual tactile contacts dif input mode or sub-mode, the identifier module can distinguish combinations This feature permits the identifier module to identify gestures from multiple without interfering with the identifier module's ability to identify gestures fr contact."<br><br>BALTIERRA at [0016]:<br>"FIG. 1 references a computing system 100 with a multi-input system 102 ir module 104 that identifies gestures input by a user and detected by one or m 106 (shown integrated with a display 107) included in a contact detection de |

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|---|---|
| | identifying the gestures, the identifier module 104 initiates an application 11 function (e.g., zooming) that is mapped to the gestures. Functions include in manipulating data, changing a display (e.g., pan, zoom, and rotate), providin like." |
| | BALTIERRA at [0019]-[0020]: "In the example environment of FIG. 1, the multi-input system 102 is includ detection device 108. As illustrated, the contact detectors 106 are included i detection device 108 and are integrated with the display 107 (e.g., a liquid cr screen). The individual contact detectors may be configured to detect multip contacts, such as a first tactile contact 112 and a second tactile contact 114. contact detectors may identify a tactile contact (e.g., a first contact detector contact while a second contact detector detects a second tactile contact). The 106 may be aligned with the pixels in a column/row configuration or otherw The contact detectors 106 may be configured to detect an x-y position, i.e., a position, of the tactile contact. The contact detectors may also detect, for exa contact (whether static or moving), contact pressure, contact height, contact for multiple contacts, rate of positional change, angular orientation, contact of the contact, and other information set forth herein." |
| | BALTIERRA at [0021]: "In some embodiments, an input controller 116 is included in the multi-inpu convert the contact detector output (e.g., the electrical signals from the conta contact data. For instance, the input controller 116 includes appropriate hard converting the contact detector output into contact data that is usable by the 102. In other embodiments, the input controller 116 can be included in the n 102, contained in a separate module, or performed by a general purpose proc firmware or software for converting contact detector output into contact data |
| | BALTIERRA at [0023]: "For example, the identifier module 104 may combine contact data that indi |

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