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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

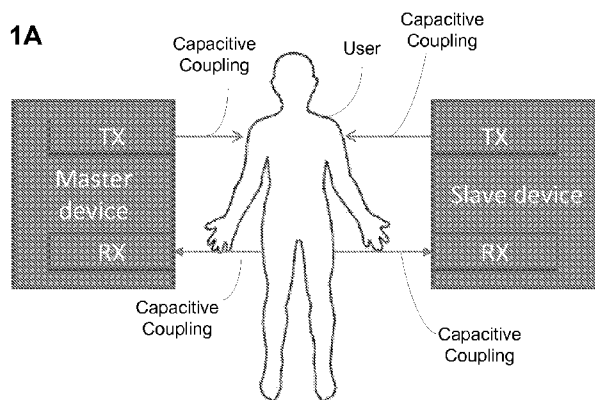
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(54) Title: DEVICE-TO-DEVICE COMMUNICATIONS BASED ON CAPACITIVE SENSING AND COUPLING VIA HUMAN BODY OR DIRECT DEVICE-TO-DEVICE COUPLING

FIG. 1A



(57) Abstract: Systems, devices and techniques disclosed in this document provide device-to-device communications via a human body of a user between (1) a capacitor sensor touch screen device that includes a capacitor sensor touch screen that includes capacitor sensors and provides a display function and (2) a capacitor sensor device that includes one or more capacitor sensors that detect or sense, based on capacitive sensing and without providing a display function, signals transmitted from the capacitor sensor touch screen of the capacitor sensor touch screen device. The human body of a user operates as a signal transmitting medium. In addition, the systems, devices and techniques disclosed in this document provide device-to-device communications via direct device-to-device coupling between two capacitor sensor touch screen devices each including capacitor sensor touch screen that includes capacitor sensors and provides a display function.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

G06F 3/044(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F3/-

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT; CNKI; WPI; EPODOC: coupl+, wear+, time, worn, g06f, nfc, sensing, capacit+, human, sense, signal, communicat+,
huiding, sensor, field, slot, touch**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 102725717 A (EMPIRE TECHNOLOGY DEV LLC) 10 October 2012 (2012-10-10) figures 1 and 3, description paragraphs 0019-0020, 0025, 0041	44-47
Y	CN 102725717 A (EMPIRE TECHNOLOGY DEV LLC) 10 October 2012 (2012-10-10) figures 1 and 3, description paragraphs 0019-0020, 0025, 0041	33-43
A	CN 102725717 A (EMPIRE TECHNOLOGY DEV LLC) 10 October 2012 (2012-10-10) figures 1 and 3, description paragraphs 0019-0020, 0025, 0041	1-32
Y	CN 102347806 A (SONY CORP.) 08 February 2012 (2012-02-08) figure 3, description paragraphs 0035-0046	33-43
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PX	CN 103207717 A (SHENZHEN HUIDING TECHNOLOGY CO., LTD.) 17 July 2013 (2013-07-17) figures 1-2, 6, 8-11, description paragraphs 0033-0052	1-47



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance	“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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“O” document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family
“P” document published prior to the international filing date but later than the priority date claimed	

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International application No.

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PX	CN 102916729 A (SHENZHEN HUIDING TECHNOLOGY CO., LTD.) 06 February 2013 (2013-02-06) figures 2-4, 7, description paragraphs 0042-0066	44-47
PY	CN 102916729 A (SHENZHEN HUIDING TECHNOLOGY CO., LTD.) 06 February 2013 (2013-02-06) figures 2-4, 7, description paragraphs 0042-0066	1-43
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A	CN 101146293 A (SAMSUNG ELECTRONICS CO., LTD.) 19 March 2008 (2008-03-19) the whole document	1-47

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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