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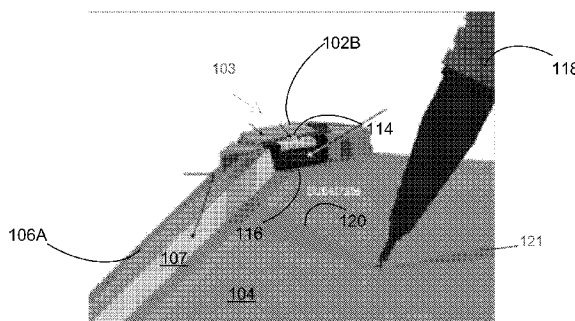


FIGURE 2

(57) Abstract: An optical touch detection system including at least two stereo pairs of optical sensors, which are each used to identify a set of potential points, and methods for determining which of the potential points are true touch points. The first pair of optical sensors is used to identify a first set of potential points and the second set of optical sensors is used to identify a second set of potential points. Potential point pairs are then compared as between the first and second sets of potential points, i.e., each potential point pair includes a potential point from the first set and a potential point from the second set. Each potential point pair is evaluated to determine the distance between its constituent potential points. The true touch points are identified by selecting the potential point pairs having the shortest distances between their constituent potential points. Using at least two pairs of optical sensors reduces the total number of potential point pairs that must be evaluated to determine the true touch points, thus reducing necessary computational analysis.



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<b>B. FIELDS SEARCHED</b>				
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<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	DE 10 2007 021537 A1 (LG PHILIPS LCD CO LTD [KR]) 19 June 2008 (2008-06-19) abstract paragraph [0027] paragraph [0034] paragraph [0045] paragraph [0047] paragraph [0051] - paragraph [0052] figures  <div style="text-align: center;">----- -/--</div>	1-24		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <span style="margin-left: 200px;"><input checked="" type="checkbox"/> See patent family annex.</span>				
* Special categories of cited documents : <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;">                     "A" document defining the general state of the art which is not considered to be of particular relevance                      "E" earlier document but published on or after the international filing date                      "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)                      "O" document referring to an oral disclosure, use, exhibition or other means                      "P" document published prior to the international filing date but later than the priority date claimed                 </td> <td style="width: 50%; border: none; vertical-align: top;">                     "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                      "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone                      "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.                      "&amp;" document member of the same patent family                 </td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/232830 A1 (KOBAYASHI KIWAMU [JP]) 19 October 2006 (2006-10-19) paragraph [0019] - paragraph [0021] paragraph [0058] - paragraph [0073] paragraph [0080] - paragraph [0084] paragraph [0091] - paragraph [0098] paragraph [0105] - paragraph [0107] paragraph [0137] - paragraph [0140] paragraph [0165] figures -----	1-24
A	US 2005/030287 A1 (SATO HAJIME [JP]) 10 February 2005 (2005-02-10) abstract paragraph [0009] - paragraph [0018] paragraph [0063] - paragraph [0070] figures -----	1-24

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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