TOUCH PANEL, METHOD FOR MANUFACTURING THE SAME, AND LIQUID CRYSTAL DISPLAY DEVICE INCLUDING THE TOUCH PANEL

A touch panel includes a substrate including at least one concave part, and a transparent electrode formed in the concave part to detect a position.
A. CLASSIFICATION OF SUBJECT MATTER

G06F 3/041(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)

G06F 3/041; H01L 21/60; G06F 3/033; B32B 3/24

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: touch panel, substrate, concave part, transparent electrode

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>A</td>
<td>JP 2004-234386 A (KAWAGUCHI SEIMITSU CO LTD) 19 August 2004 See paragraphs [0029]-[0035] and figure 2 .</td>
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<td>A</td>
<td>JP 2005-032989 A (MATSUSHITA ELECTRIC IND CO LTD) 03 February 2005 See paragraphs [0023]-[0033] and figure 2 .</td>
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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
  "E" earlier application or patent but published on or after the international filing date
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"&" document member of the same patent family

Date of the actual completion of the international search
30 AUGUST 2012 (30.08.2012)

Date of mailing of the international search report
31 AUGUST 2012 (31.08.2012)

Name and mailing address of the ISA/KR

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<tr>
<td>JP 2002-229737 A</td>
<td>16.08.2002</td>
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<td>21.03.2008</td>
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