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

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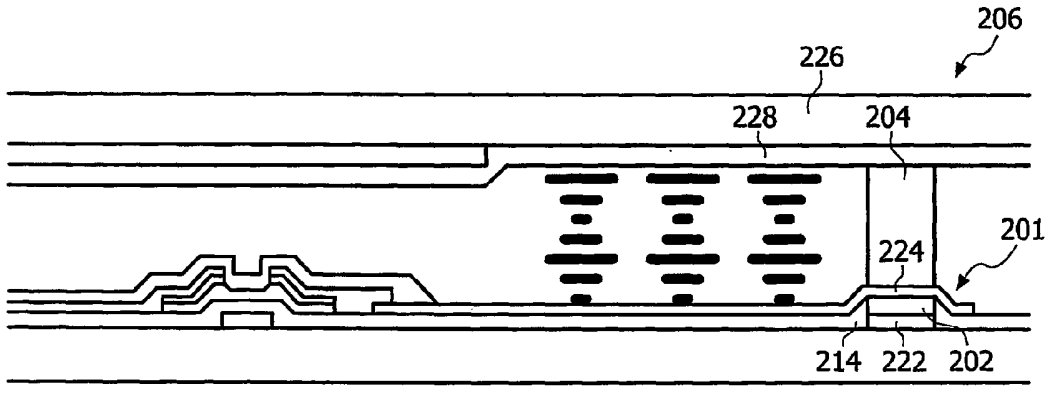
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TOUCH SENSITIVE DISPLAY



(57) Abstract: There is provided a touch sensitive display comprising a passive substrate (206, 306), an active substrate (102, 308), and a display material (132) disposed between the passive and active substrates, wherein driving circuitry (104) for driving a pixel of the display and touch sensing circuitry (201, 304) are arranged on the active substrate (102, 308). The touch sensing circuitry (201, 304) comprises at least one component with a first and a second electrode (224, 310, 408, 410, 508, 608, 610, 702, 704, 706), wherein the electrodes (224, 310, 408, 410, 508, 608, 610, 702, 704, 706) are arranged to displace with respect to each other in response to a touch input.

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INTERNATIONAL SEARCH REPORT

Intern Application No
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A. CLASSIFICATION OF SUBJECT MATTER
G06F3/033

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

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 practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 501 529 B1 (KURIHARA MIKIO ET AL) 31 December 2002 (2002-12-31) column 7, line 55 - column 8, line 17; claims 1,4; figures 4,9	1-6
A	US 6 067 144 A (MUROUCHI ET AL) 23 May 2000 (2000-05-23) claim 1; figure 3	1-6
A	US 2002/101399 A1 (KUBO KIICHIRO ET AL) 1 August 2002 (2002-08-01) claim 1; figure 12	1-6
A	US 4 529 968 A (HILSUM ET AL) 16 July 1985 (1985-07-16) claim 1; figures 2,3	1-6

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in 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 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

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
24 October 2005	17 01 2006

Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

Inter | Application No
PCT/IB2005/051155

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 4 224 615 A (PENZ ET AL) 23 September 1980 (1980-09-23) claim 1; figures 3c,4	1-6
A	US 4 814 760 A (JOHNSTON ET AL) 21 March 1989 (1989-03-21) claim 1; figure 2	1-6
A	WO 03/079449 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; YOUNG, NIGEL, D; CHILDS, MARK, J;) 25 September 2003 (2003-09-25) cited in the application claim 1; figure 2	1-6
A	DE 203 11 135 U1 (RICHARD WOEHR GMBH) 30 October 2003 (2003-10-30) claim 1; figure 1	1-6

INTERNATIONAL SEARCH REPORT

Ir nal application No.
PCT/IB2005/051155

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1(part), 2-6

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1(part), 2-6

Touch sensitive display using a capacitor for touch sensing.

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2. claims: 1(part), 7-9

Touch sensitive display using a sacrificial transistor for touch sensing.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern I Application No
PCT/IB2005/051155

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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