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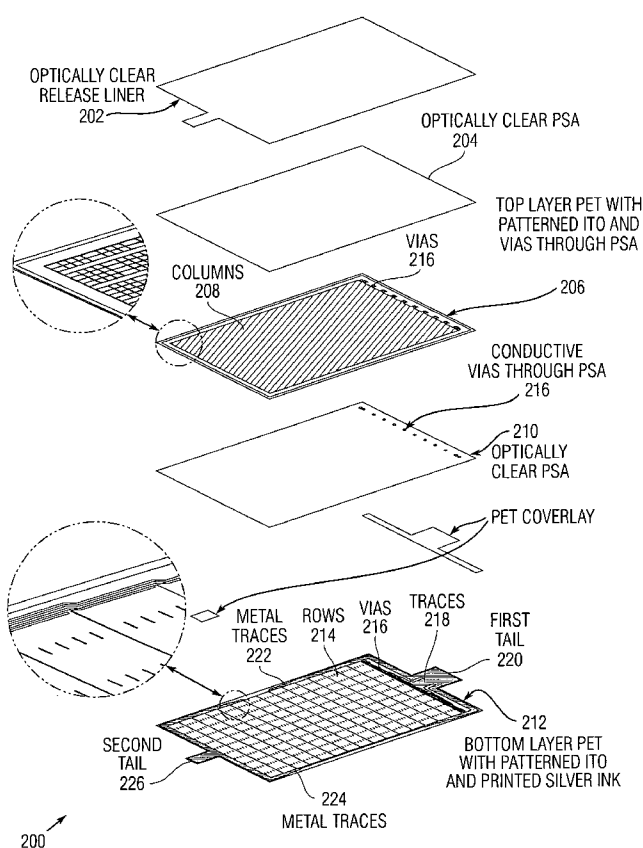


Fig. 2a

(57) Abstract: A space-efficient substantially transparent mutual capacitance touch sensor panel can be created by forming columns made of a substantially transparent conductive material on one side of a first substantially transparent substrate, forming rows made of the substantially transparent conductive material on one side of a second substantially transparent substrate, adhering the two substrates together with a substantially transparent adhesive, bringing column connections down to the second substrate using vias, and routing both the column and row connections to a single connection area on the second substrate. In addition, in some embodiments some of the row connections can be routed to a second connection area on the second substrate to minimize the size of the sensor panel.

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FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/083307 A1 (AUFDERHEIDE BRIAN E [US] ET AL) 21 April 2005 (2005-04-21) paragraphs [0016] - [0032] paragraphs [0034] - [0036]; figures 1,2,4	1-37
A	US 2005/156906 A1 (CHIU YEN-CHANG [TW] ET AL) 21 July 2005 (2005-07-21) paragraphs [0016] - [0018]; figures 1,2	2,3,11, 18,19, 26,28, 29,37
A	US 2002/097228 A1 (PARK ILWHAN [US] ET AL) 25 July 2002 (2002-07-25) paragraphs [0003], [0004], [0019]; figures 3,4	7-10, 22-25, 33-36

☐ Further documents are listed in the continuation of Box C.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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