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Chang et al.

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(54) **CONDUCTOR PATTERN STRUCTURE OF CAPACITIVE TOUCH PANEL**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 939 days.

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**

G06F 3/041 (2006.01)

G09G 5/00 (2006.01)

G01R 27/26 (2006.01)

(52) **U.S. Cl.** **345/173; 345/156; 324/661**

(58) **Field of Classification Search** **345/173-184; 178/18.01-18.08; 341/33-34**

See application file for complete search history.

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Primary Examiner — Alexander S Beck

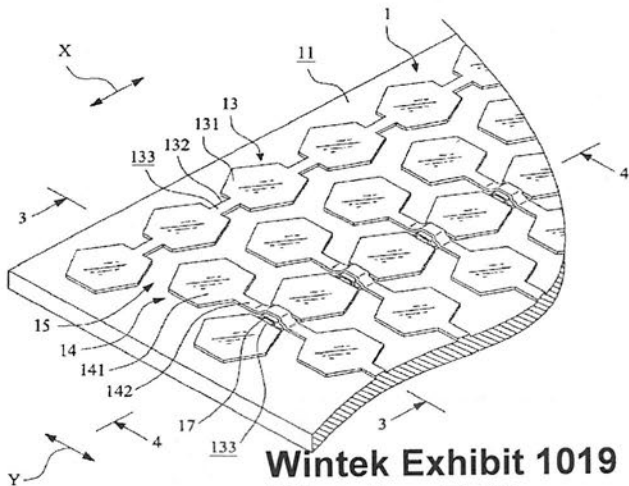
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(57) **ABSTRACT**

Disclosed is a conductor pattern structure of a capacitive touch panel. First-axis conductor assemblies and second-axis conductor assemblies are formed on a surface of a substrate. Each first-axis conductor assembly includes a plurality of first-axis conductor cells that are interconnected by first-axis conduction lines. An insulation layer is formed on a surface of each first-axis conduction line. Each second-axis conductor assembly includes a plurality of second-axis conductor cells that are interconnected by second-axis conduction lines. Each second-axis conduction line extends across the insulation layer of the associated first-axis conduction line.

68 Claims, 5 Drawing Sheets



Wintek Exhibit 1019
Wintek v. TPK

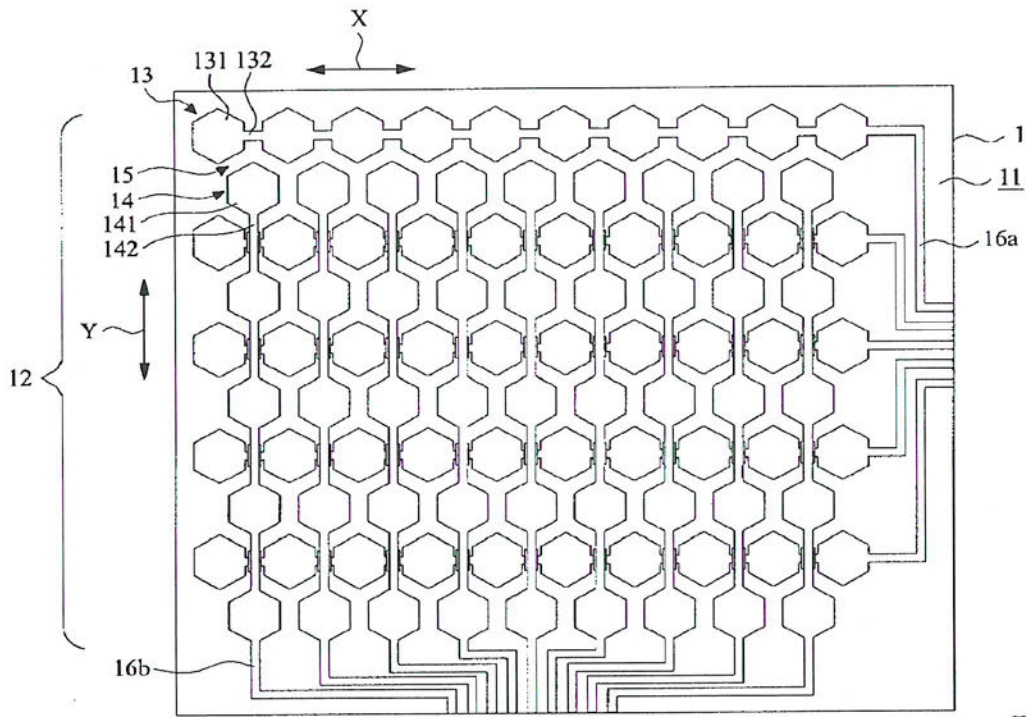


FIG.1

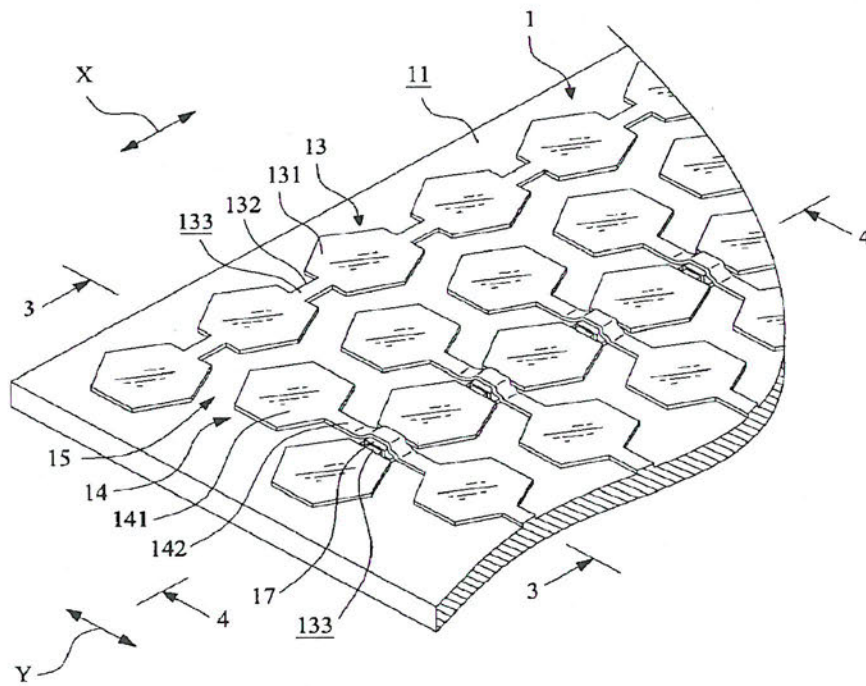


FIG.2

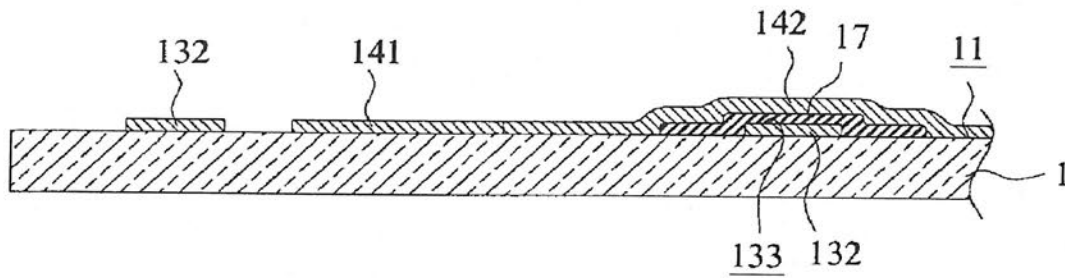


FIG.3

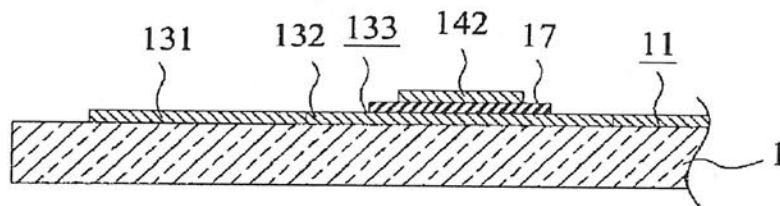


FIG.4

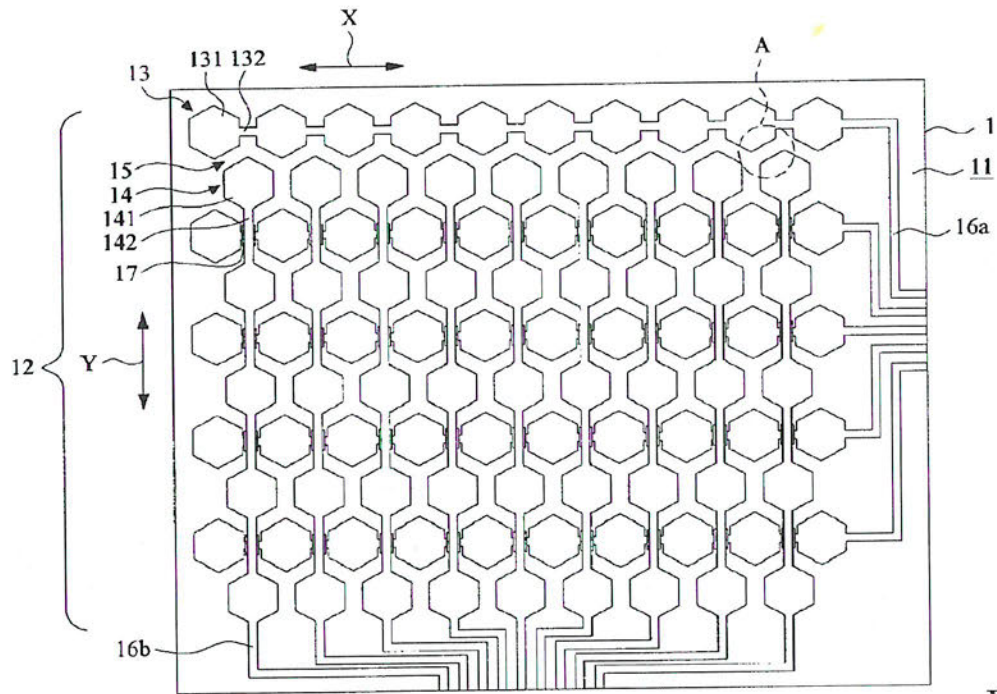


FIG. 5

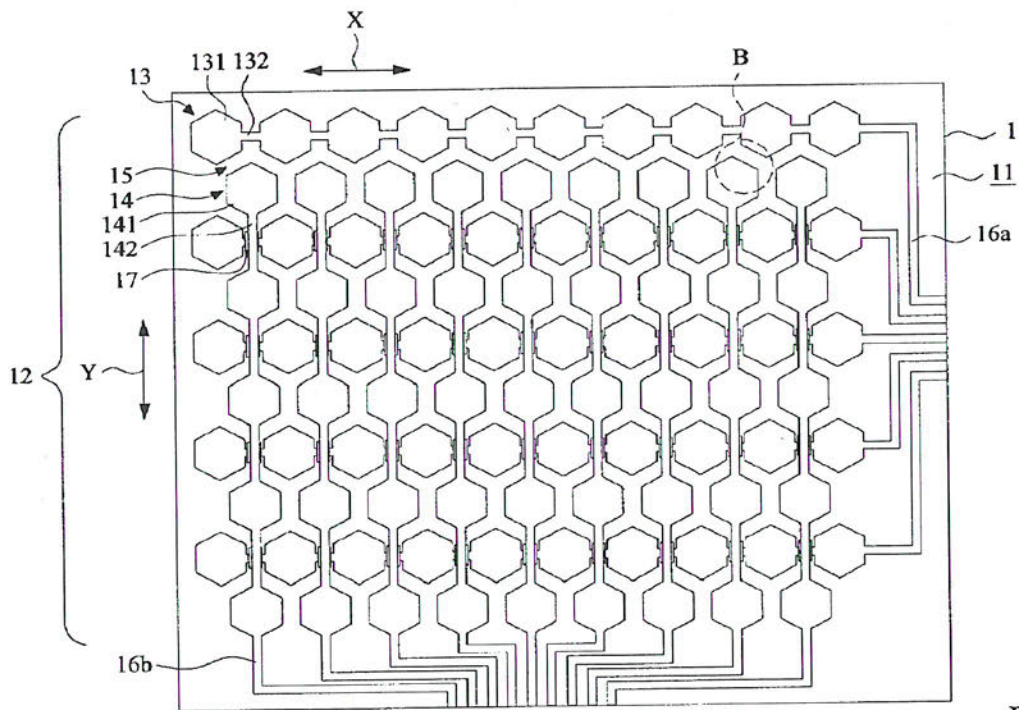


FIG. 6

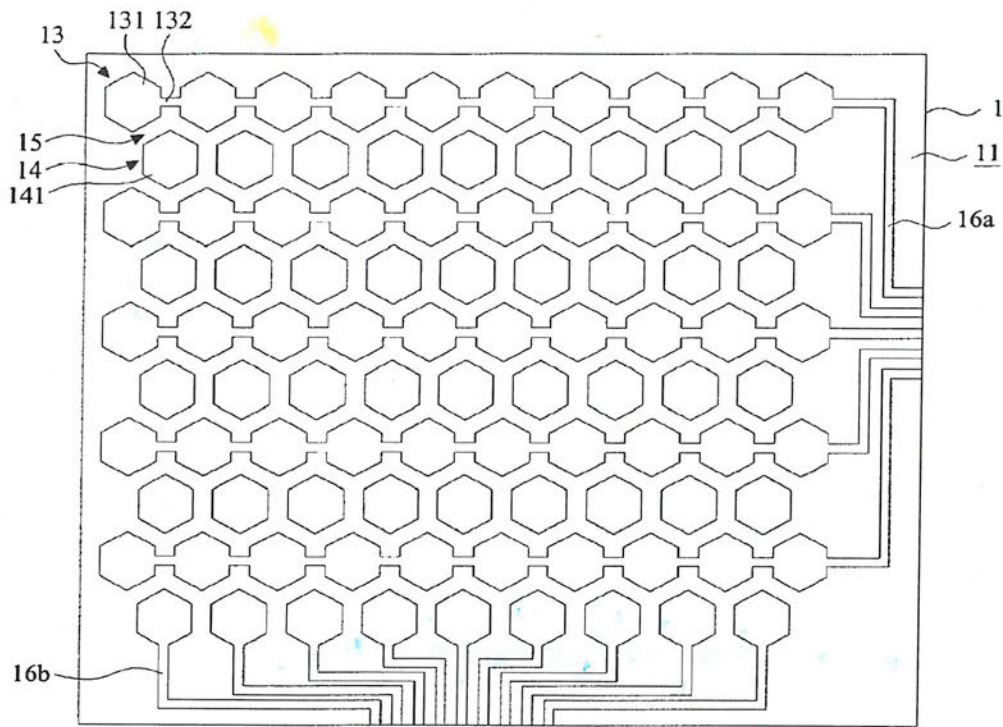


FIG. 7

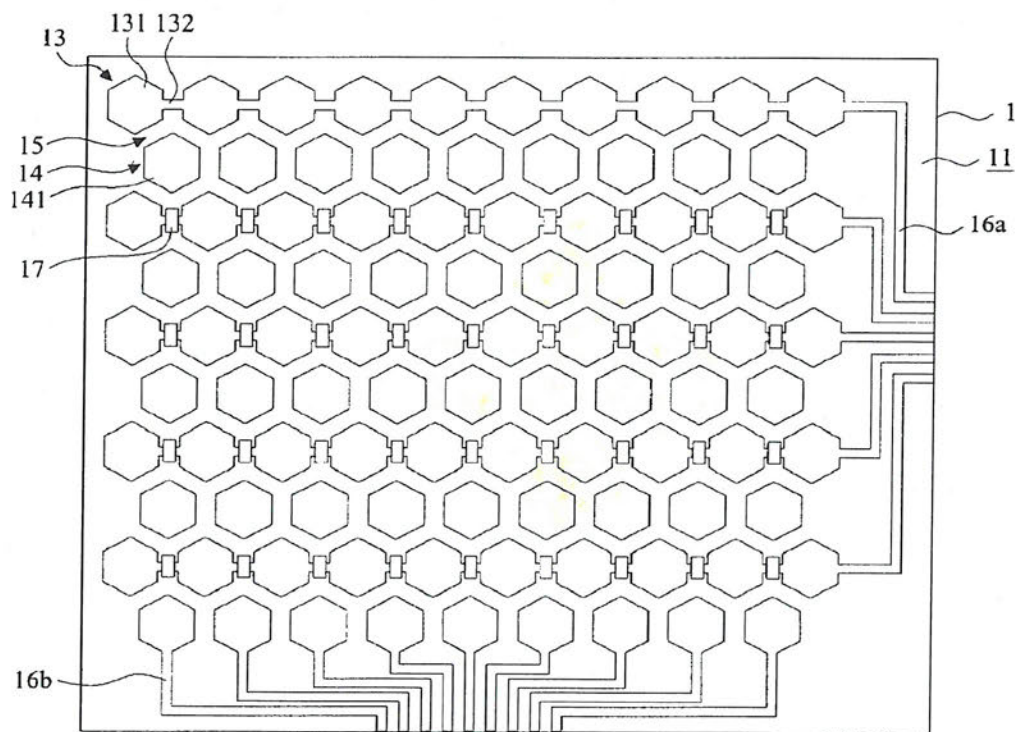


FIG. 8

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