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(54) **CAPACITIVE SENSING DEVICE FOR USE IN A KEYPAD ASSEMBLY**

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(57) **ABSTRACT**

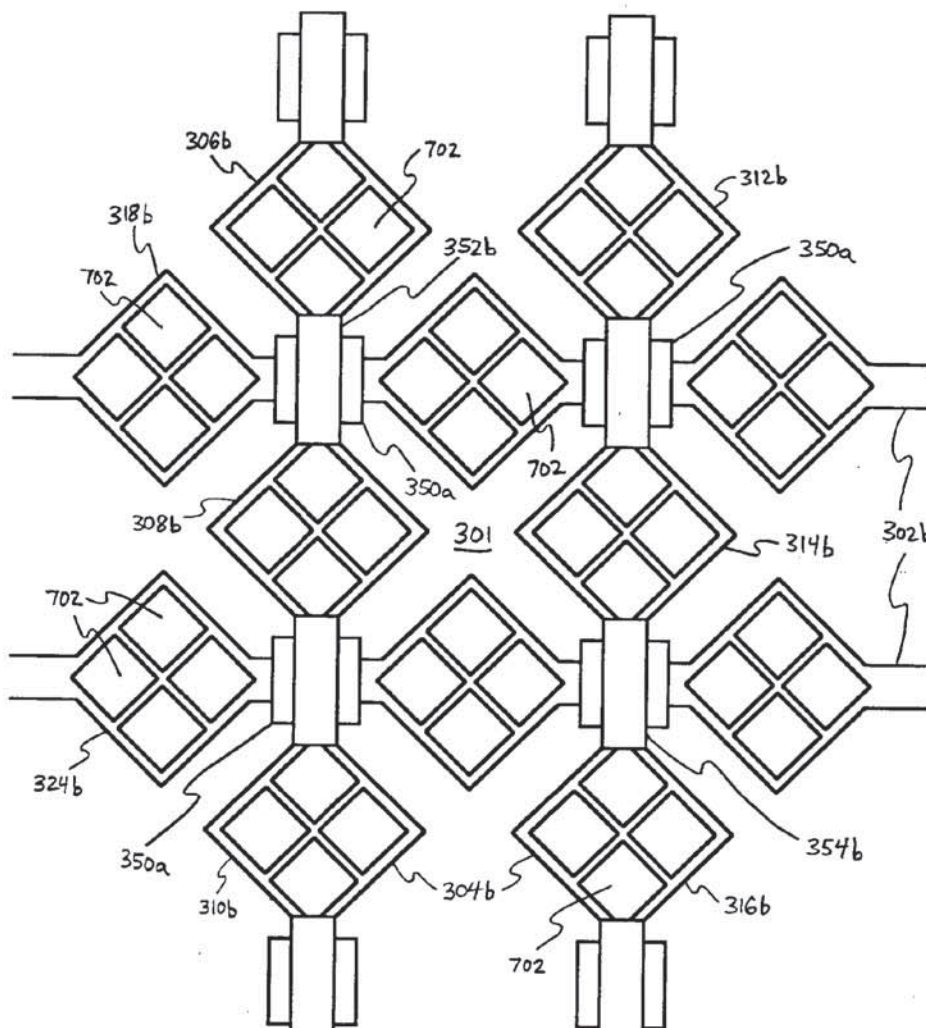
One embodiment in accordance with the present invention includes a capacitive sensing device for use in a keypad assembly of an electronic system. The capacitive sensing device includes a substantially transparent single sheet capacitive sensor. The substantially transparent single sheet capacitive sensor is configured to be disposed within the keypad assembly without requiring the formation of key post holes therethrough. Additionally, the substantially transparent single sheet capacitive sensor has a flexibility which enables desired tactile response during use of keys of the keypad assembly.

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700B



100

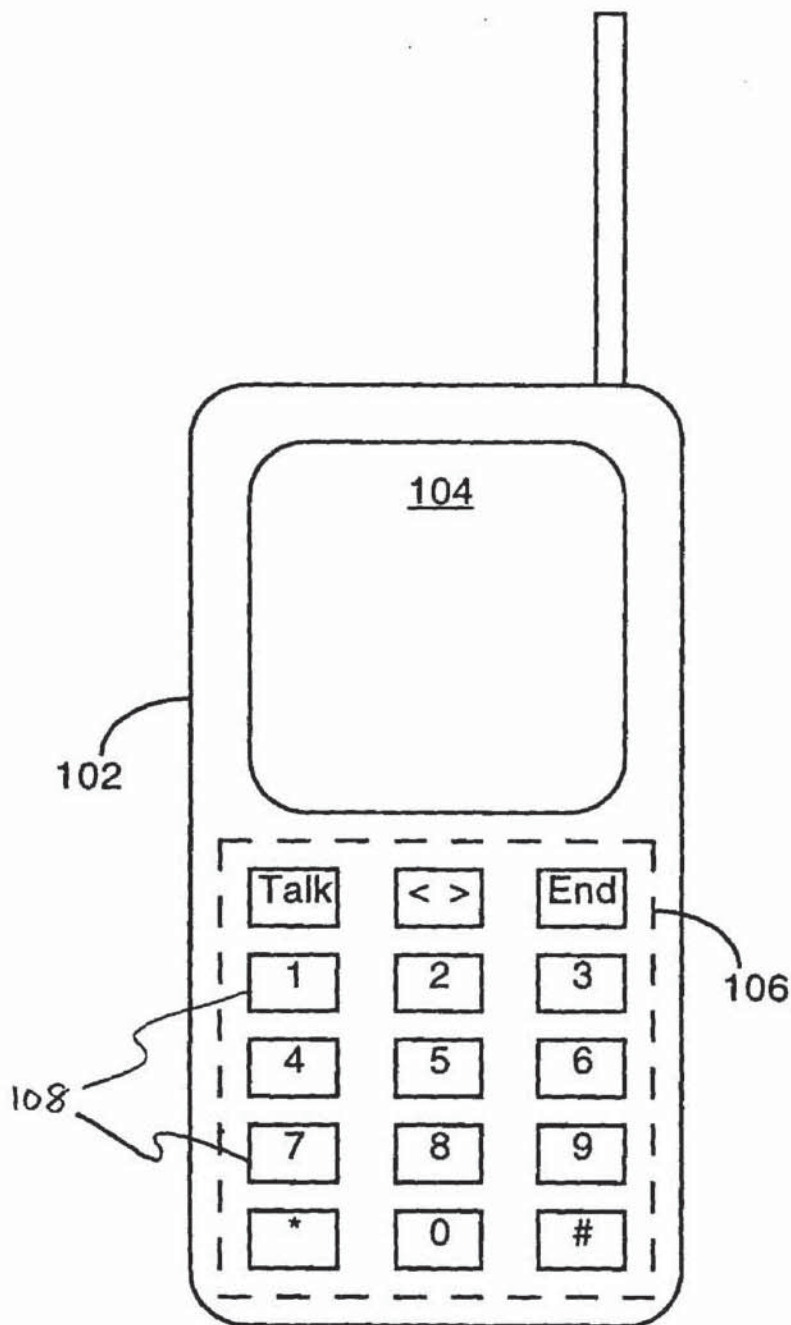


Fig. 1

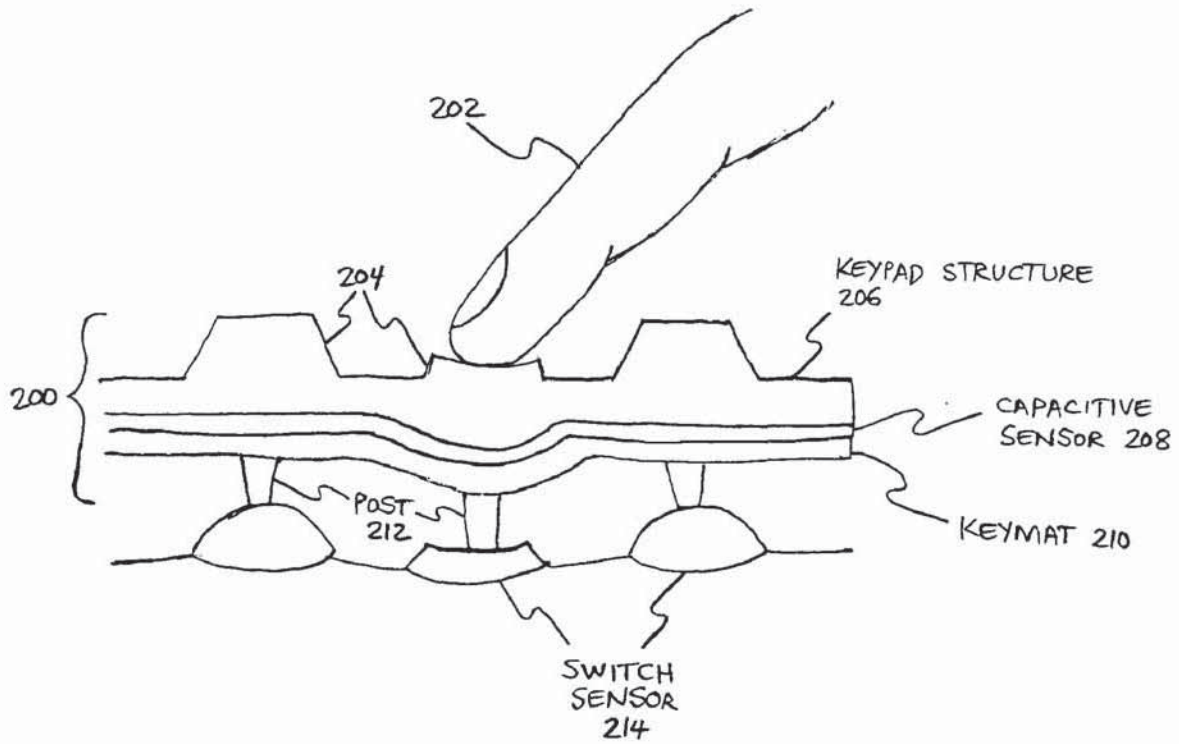


FIG. 2

300A

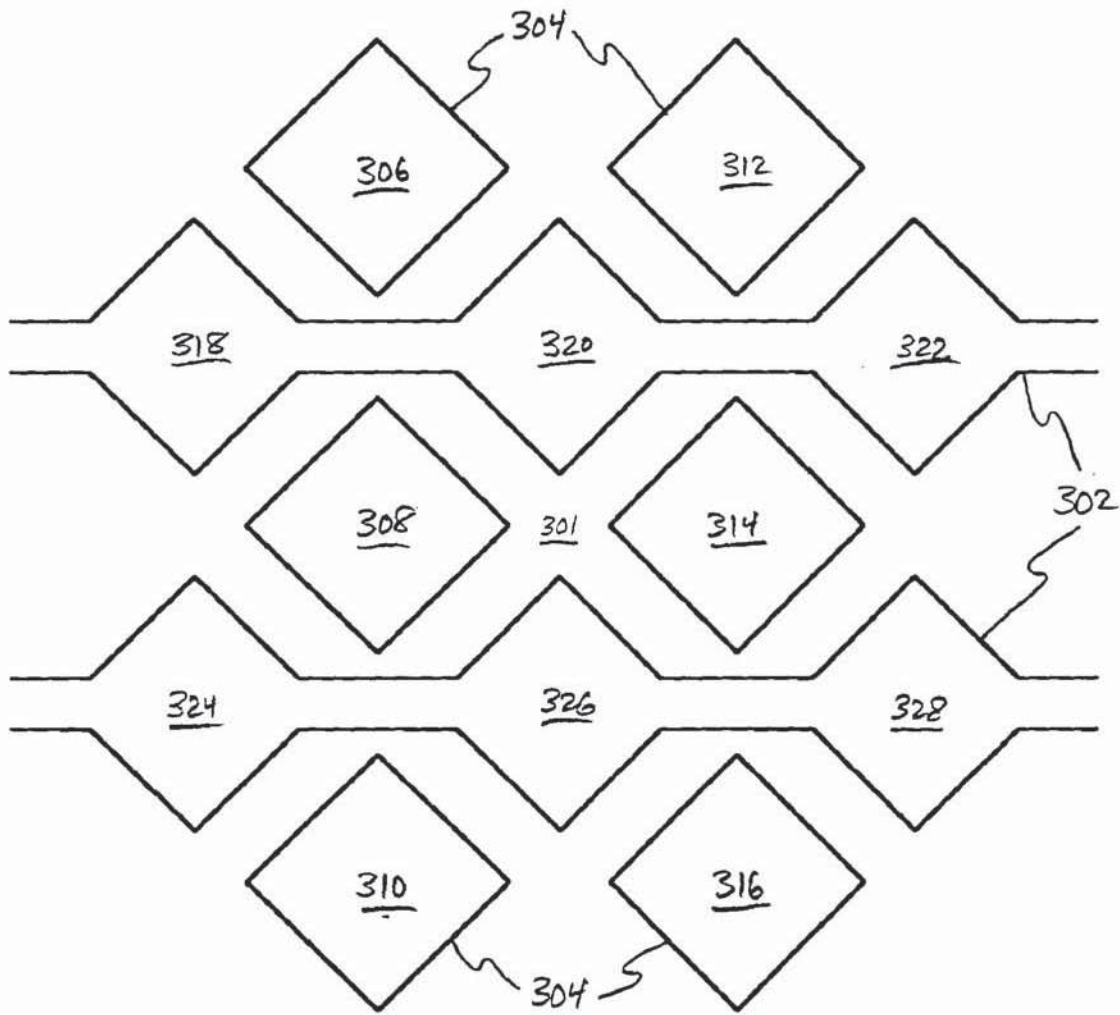


Fig. 3A

300B

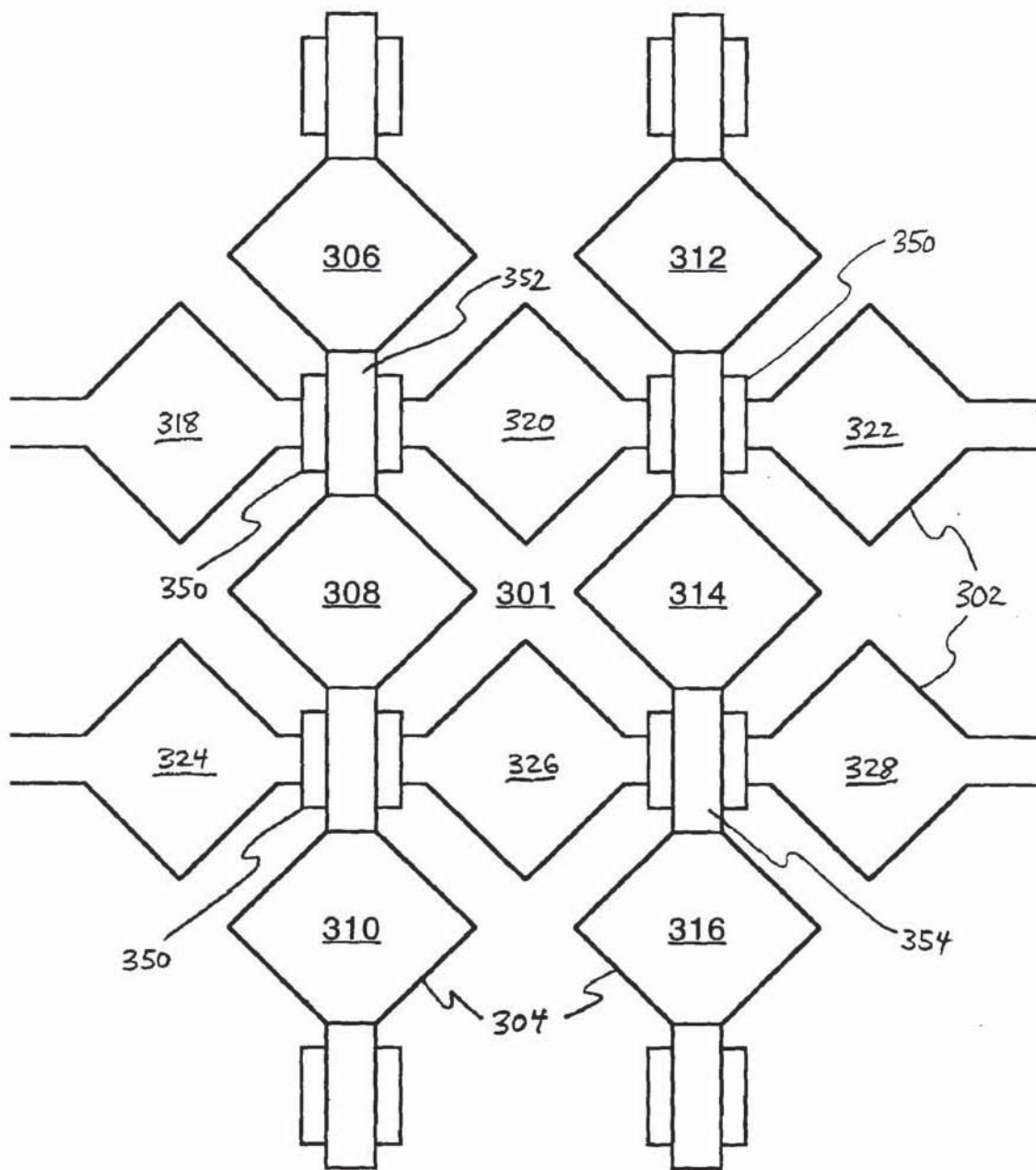


Fig. 3B

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