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Jochym et al.

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(54) **ALTERNATIVE TO THROUGH-HOLE-PLATING IN A PRINTED CIRCUIT BOARD**

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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 0 days.

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(52) U.S. Cl. **174/265; 174/266**

(58) **Field of Search** 174/265, 267, 174/262-264, 266; 29/842, 843, 844, 845; 361/792, 793, 794, 803

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(57) **ABSTRACT**

A printed circuit board (PCB) comprises a number of electrically conductive layers. Instead of coating, or plating, a PCB through-hole with an electrically conductive material to form a via (for the purpose of connecting together signal paths across the electrically conductive layers)—the via is formed by placing a conductive stake, or conductive pin, in the through-hole.

6 Claims, 10 Drawing Sheets

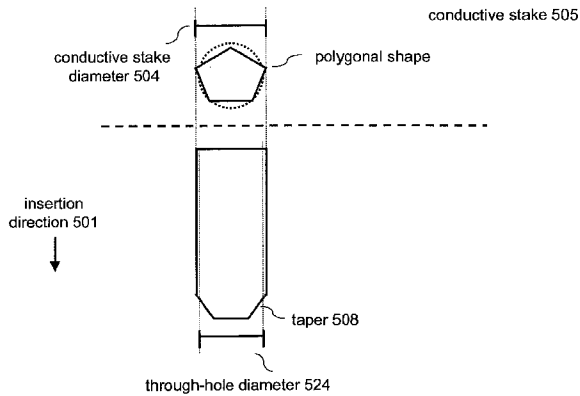
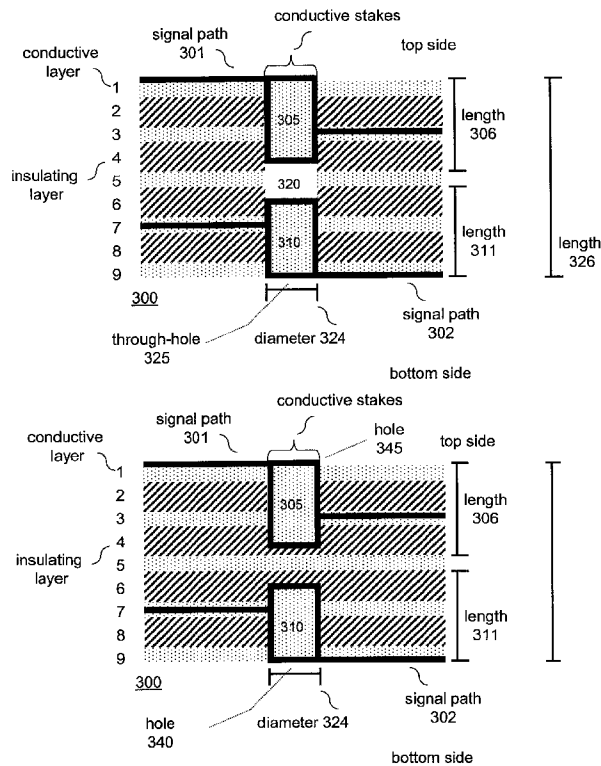
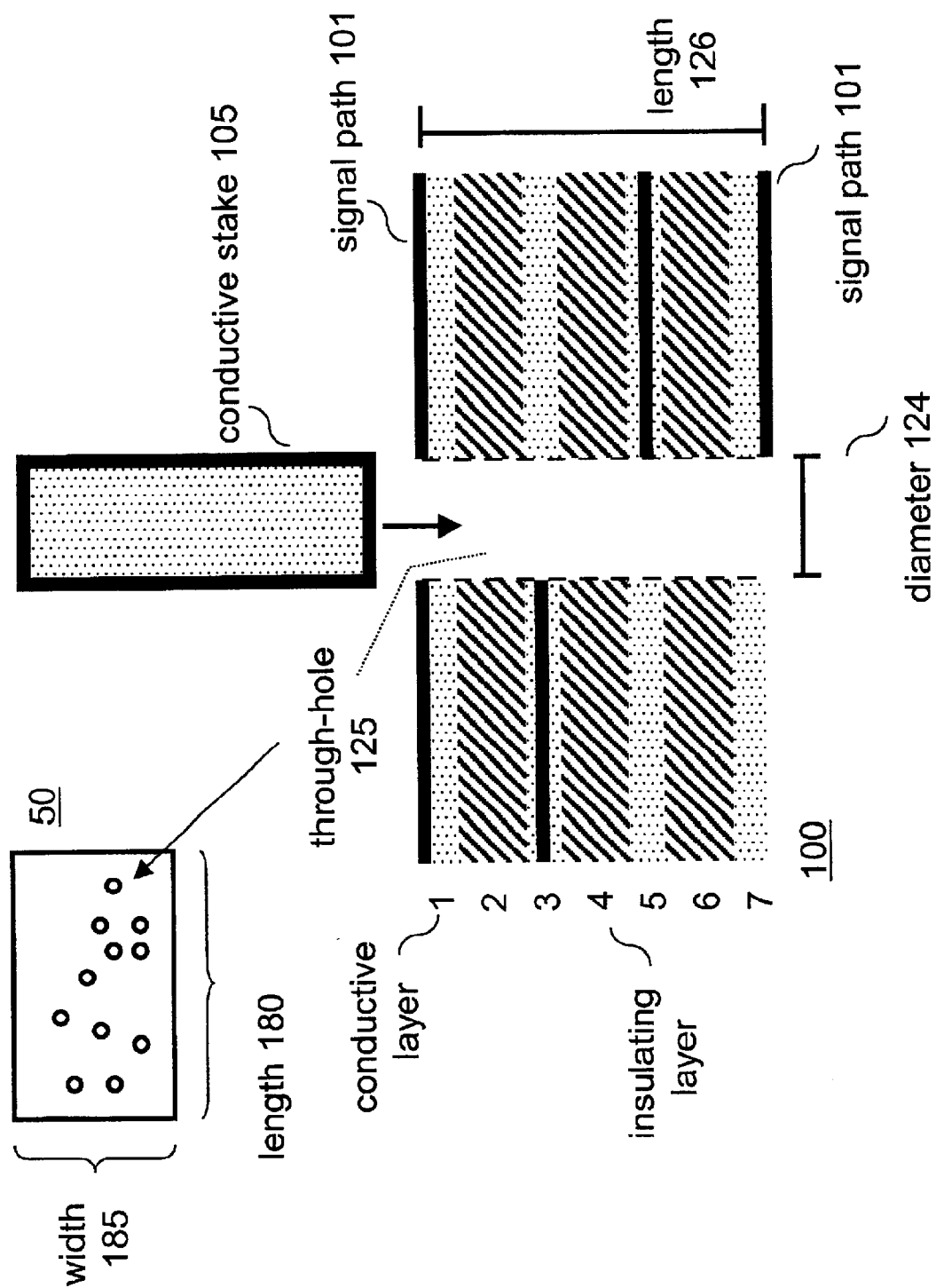


FIG. 1



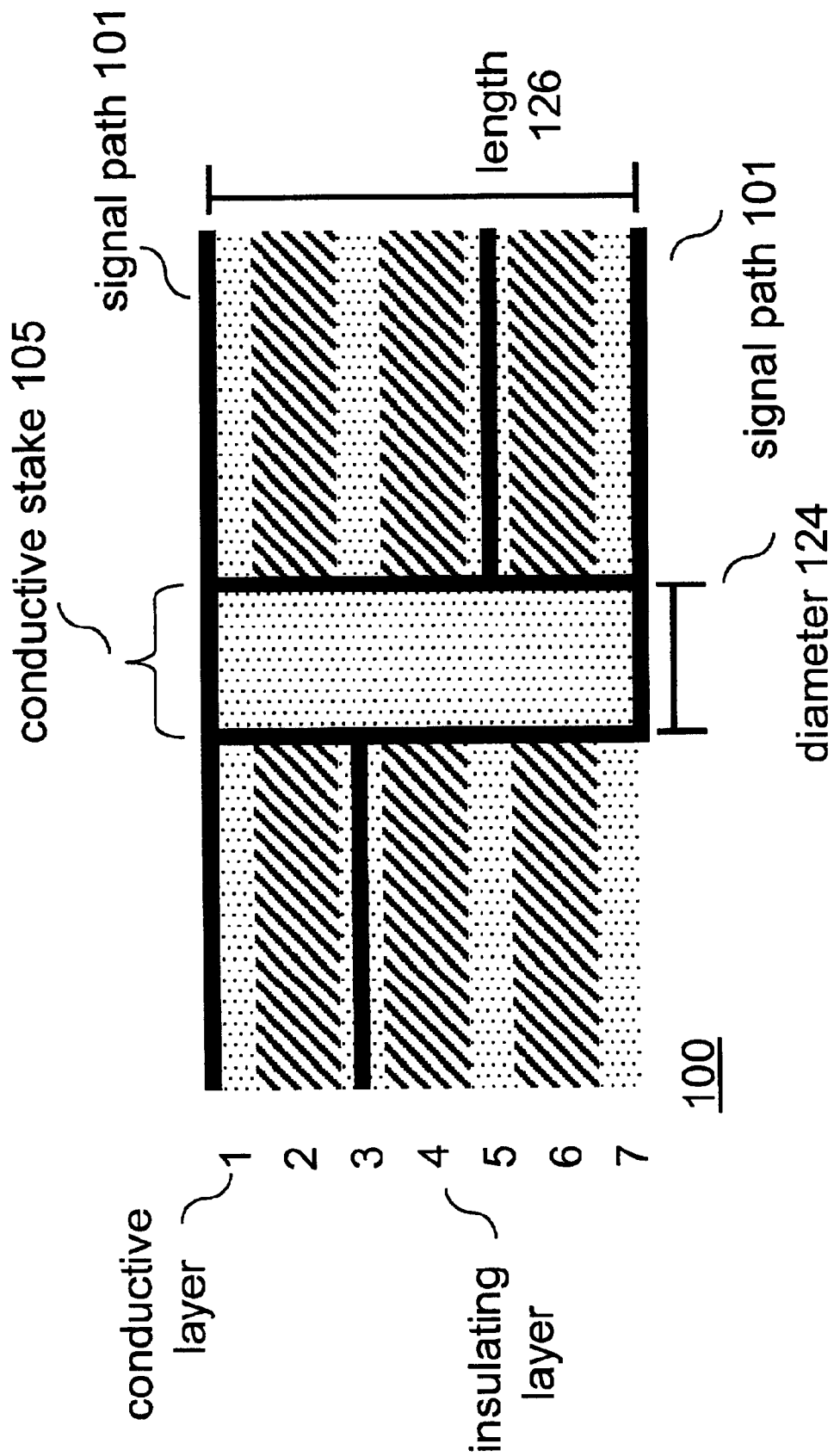


FIG. 3

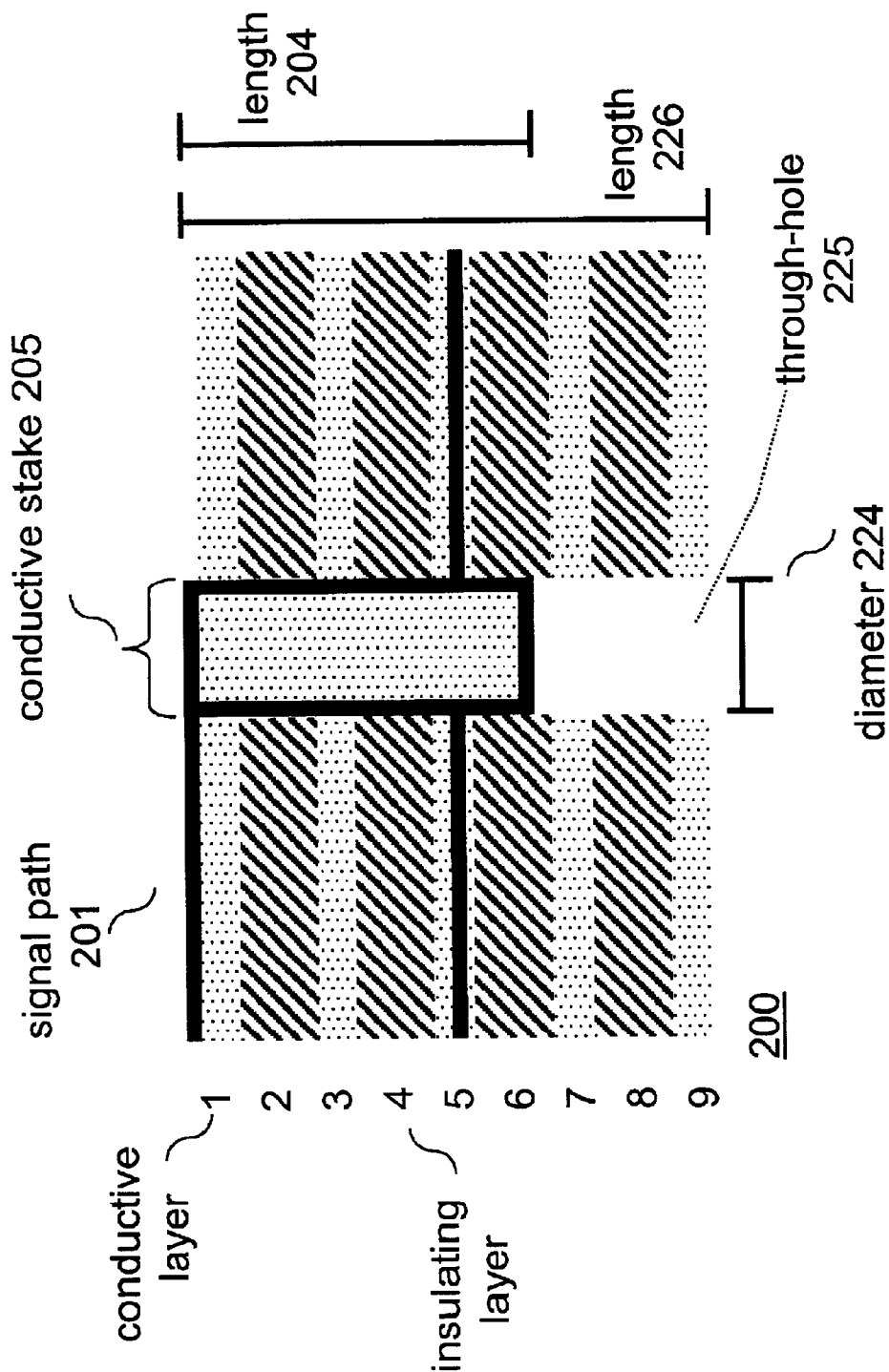
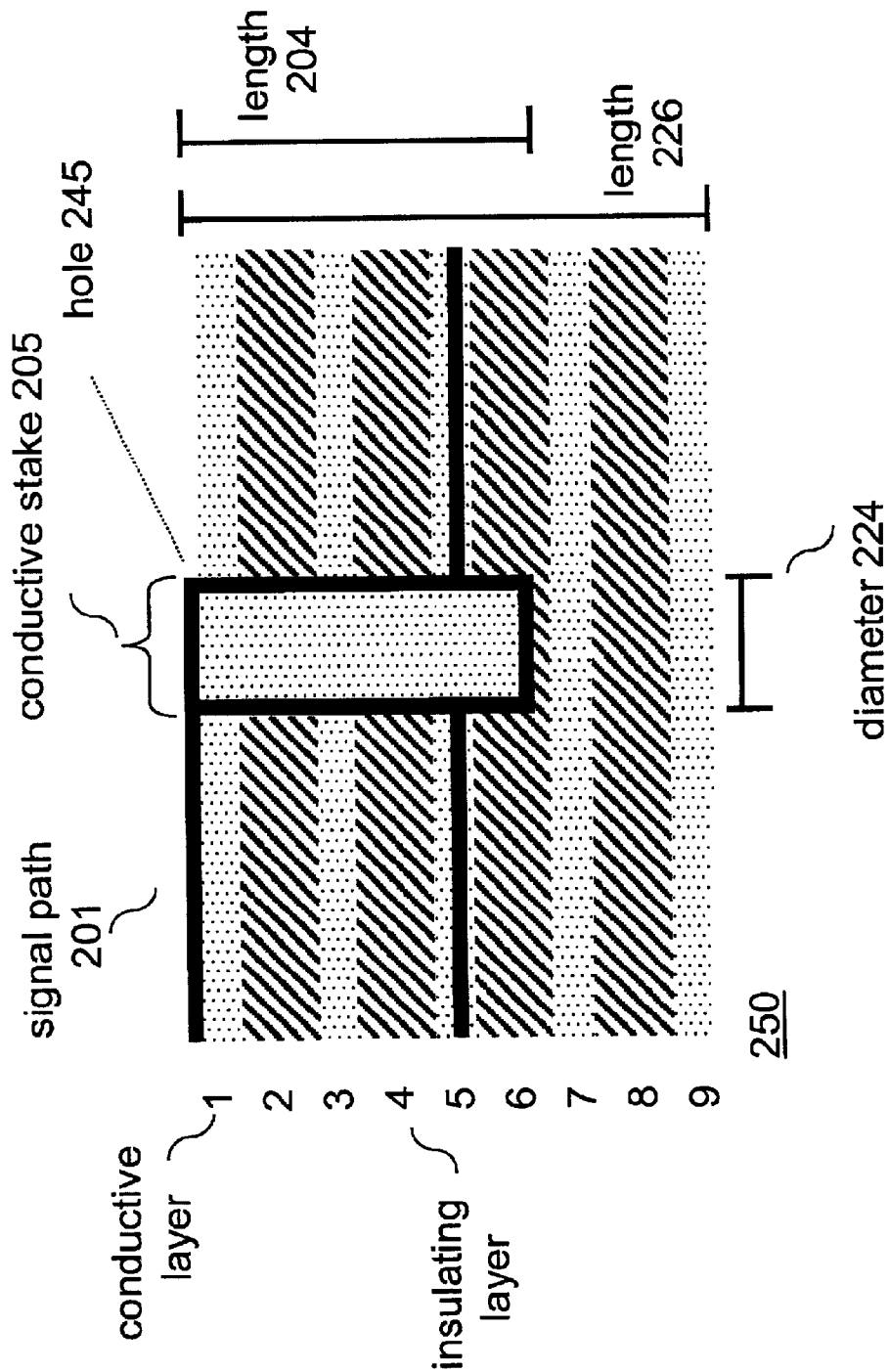


FIG. 4



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