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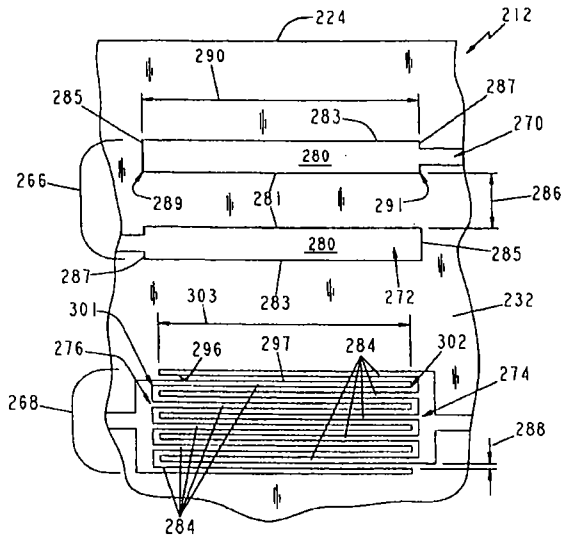
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[Continued on next page]

(54) Title: BIOSENSOR AND METHOD OF MAKING CROSS-REFERENCE TO RELATED APPLICATIONS



(57) Abstract: An electrochemical biosensor (210) with electrode elements (274, 276) that possess smooth, high-quality edges (281, 283, 285, 287) with an edge definition better than 6μm. These smooth edges define gaps between electrodes, electrode traces and contact pads. Due to the remarkable edge smoothness achieved, the gaps can be quite small, which provides marked advantages in terms of test accuracy, speed and the number of different functionalities that can be packed into a single biosensor. Further, the present application provides a biosensor production method in which entire electrode patterns for the inventive biosensors can be formed all at one, in nanoseconds - without regard to the complexity of the electrode patterns or the amount of conductive material that must be ablated to form them.

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