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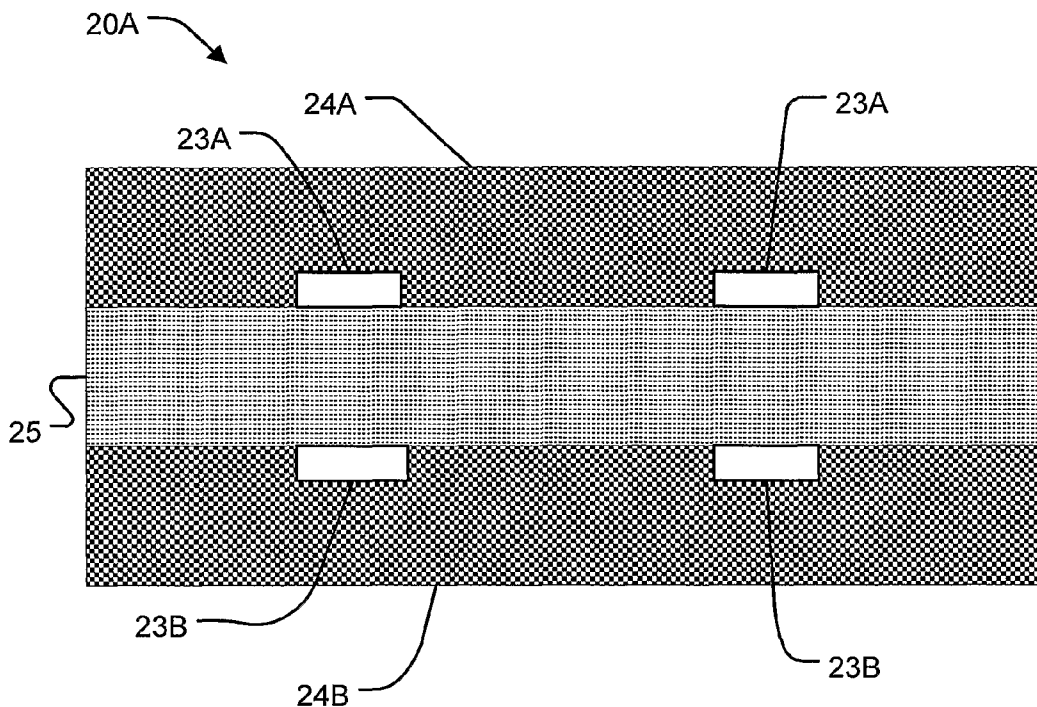
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(54) Title: ELECTROCHEMICAL CELLS HAVING CURRENT-CARRYING STRUCTURES UNDERLYING ELECTRO-CHEMICAL REACTION LAYERS



(57) Abstract: An electrochemical cell structure has an electrical current-carrying structure which, at least in part, underlies an electrochemical reaction layer. The cell comprises an ion exchange membrane with a catalyst layer on each side thereof. The ion exchange membrane may comprise, for example, a proton exchange membrane. Some embodiments of the invention provide electrochemical cell layers which have a plurality of individual unit cells formed on a sheet of ion exchange membrane material.

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