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(54) **Title:** BIPOLAR PLATE FOR FUEL CELLS

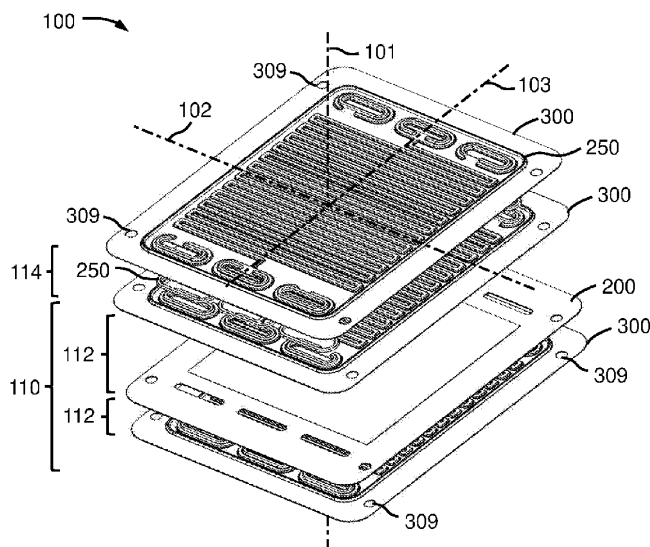


FIG. 1A

(57) **Abstract:** A bipolar plate for fuel cells and other applications is a unitary body with a grand sunken channel defining a primary zone. The bipolar plate includes a border extending away from the primary zone to form a flange. Inlets and outlets are defined in the primary zone spaced apart from the border. All channel elements are non-contiguous with the border, disposed wholly in the primary zone, and are full height relative to the first plane. The planar flow path is defined by a flow height. The flow height is a uniform full height from the inlet to the outlet. The bipolar plate may be formed in a single stamping process.

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