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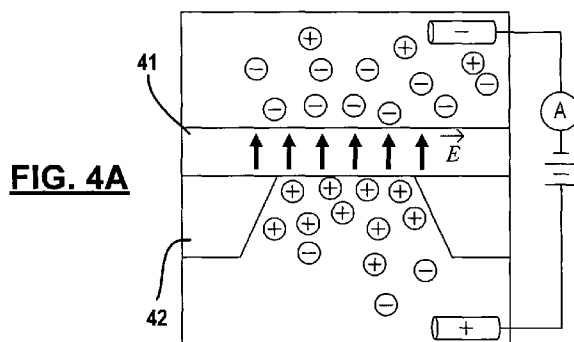
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(54) Title: FABRICATION OF NANOPORES USING HIGH ELECTRIC FIELDS



(57) Abstract: A method is provided for fabricating a nanopore in a membrane. The method includes: applying an electric potential across the membrane, where value of the electric potential is selected to induce an electric field which causes a leakage current across the membrane; monitoring current flow across the membrane while the electric potential is being applied; detecting an abrupt increase in the leakage current across the membrane; and removing the electric potential across the membrane in response to detecting the abrupt increase in the leakage current.