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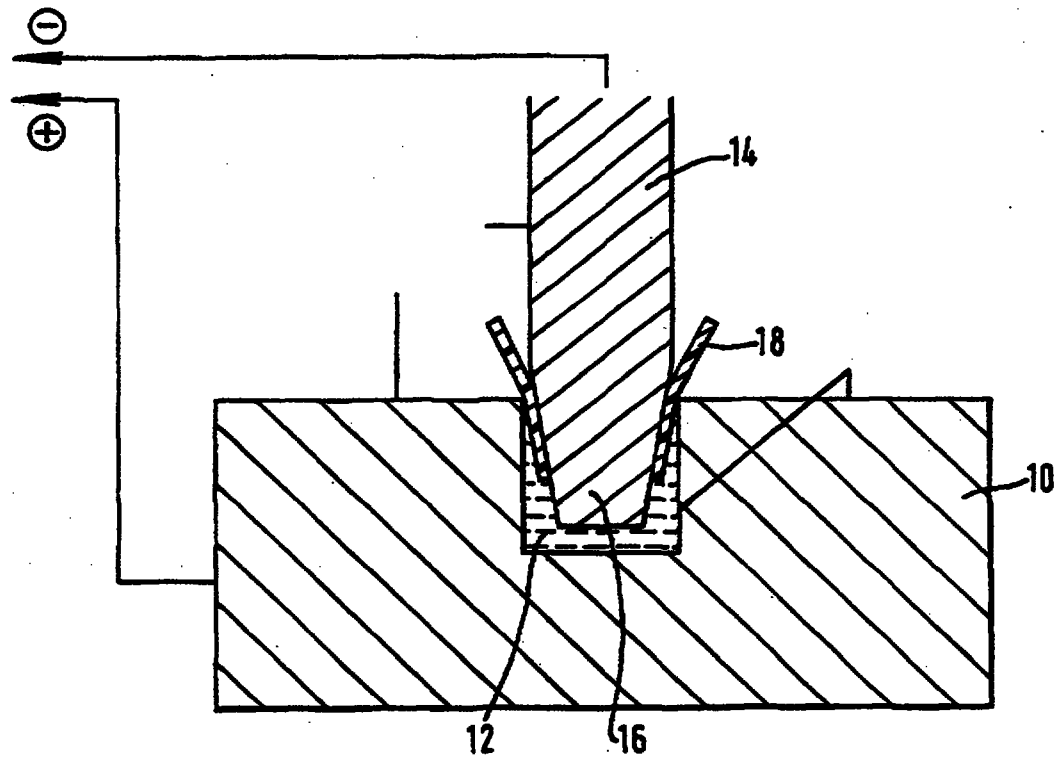
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(54) Title: ELECTROCHEMICAL DENATURATION OF DOUBLE-STRANDED NUCLEIC ACID



(57) Abstract

Double stranded nucleic acid is denatured by subjecting a solution thereof to a voltage applied between electrodes spaced by no more than 1.5 mm in a time not previously achievable in electrochemical denaturation. PCR is practised isothermally by periodic application of voltage to produce denaturation. Electrochemical cells and kits for use in the process are provided.