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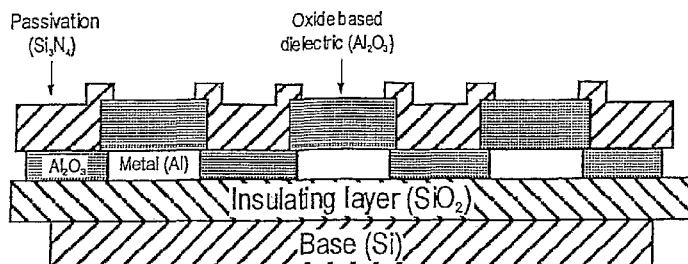
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(54) Title: APPARATUS AND METHODS FOR DETECTING NUCLEIC ACID IN BIOLOGICAL SAMPLES



(57) Abstract: There are disclosed apparatus and methods for the field-assisted acceleration of biological processes involving charged entities, including in particular the detection of target DNA in a biological sample. A reaction cell is provided with a dielectric surface, and a field is generated by inducing charge-separation in the dielectric material by applying a potential to an electrode in contact with the dielectric material.



WO 2005/038048 A1